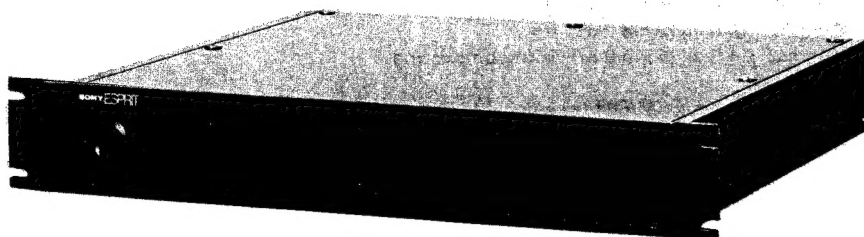


TA-N900

US Model
AEP Model
UK Model



MONAURAL POWER AMPLIFIER

SPECIFICATIONS

Power Output and Total

Harmonic Distortion: With 8 Ω loads, monaural channel driven, from 20 – 20,000 Hz; rated 200 W per channel minimum RMS power, with no more than 0.05 % total harmonic distortion from 250 mW to rated output.
(US model)

Continuous RMS

Power Output: At 20 Hz – 20 kHz
200 W (2, 4, 8 Ω)
(At rated distortion, monaural channel driven)
According to DIN 45500
200 W (2, 4, 8 Ω)

Power Bandwidth

(IHF): 5 Hz – 70 kHz

Slew Rate: 150 V/ μ sec (8 Ω)

Harmonic Distortion: Less than 0.05 % (8 Ω)
(At rated output) Less than 0.1 % (4 Ω)
Less than 0.2 % (2 Ω)

Intermodulation (IM)

Distortion: Less than 0.05 % (8 Ω)
(60Hz : 7kHz = 4 : 1, at rated output) Less than 0.1 % (4 Ω)
Less than 0.2 % (2 Ω)

Frequency Response: DC – 100 kHz $+0$ dB (DIRECT INPUT)

5 Hz – 100 kHz $+0$ dB (C COUPLED INPUT)

Signal-to-noise Ratio: Greater than 120 dB (short-circuited input, 8 Ω)
110 dB (8 Ω , '78 IHF)

Residual Noise: Less than 20 μ V (8 Ω , A network)

Damping Factor: 50 (8 Ω , 1 kHz)

Inputs: Sensitivity 1.7 V (8 Ω); 1.2 V (4 Ω); 0.85 V (2 Ω)
(For rated output) Impedance 50 k Ω


Outputs: SPEAKER terminals
Accept speakers of 2 – 16 Ω with a user-selectable switch

GENERAL

System: Pre-power stage
1st: Bootstrapped double cascode FET differential input, with current-mirror output
2nd: Bootstrapped cascode inverted amp
3rd: Emitter follower SEPP output
Power stage
No NFB loop, pure-complementary SEPP output in class A operation
Power supply
Pulse locked power supply

— Continued on page 2 —

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.



SONY[®]

SERVICE MANUAL

TA-N900

Power Requirements: 220 V ac, 50/60 Hz (AEP model)
 240 V ac, 50/60 Hz (UK model)
 120 V ac, 60 Hz (US model)

Power Consumption: 270 W (AEP model)
 530 W (UK model)
 175 W (US model)

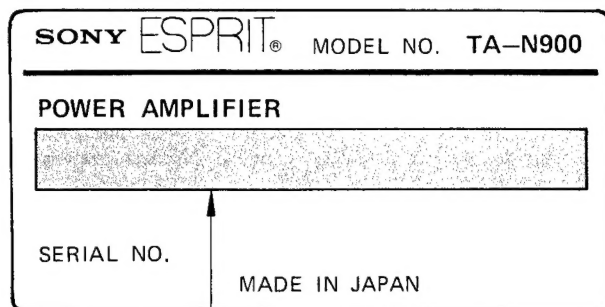
Dimensions: Approx. 480 (w) x 80 (h) x 445 (d) mm
 (18⁷/₈ (w) x 3¹/₈ (h) x 17⁵/₈ (d) inches)
 Including projecting parts and controls

Weight: Approx. 10.5 kg (23 lb 2 oz), net
 Approx. 11.5 kg (25 lb 6 oz), in shipping carton

Note: Appliance conforms with EEC Directive 76/889 regarding interference suppression.

MODEL IDENTIFICATION

— Specification Label —



US model.	AC 120V	60Hz	175W
AEP model.	AC 220V ~	50/60Hz	270W
UK model.	AC 240V ~	50/60Hz	530W

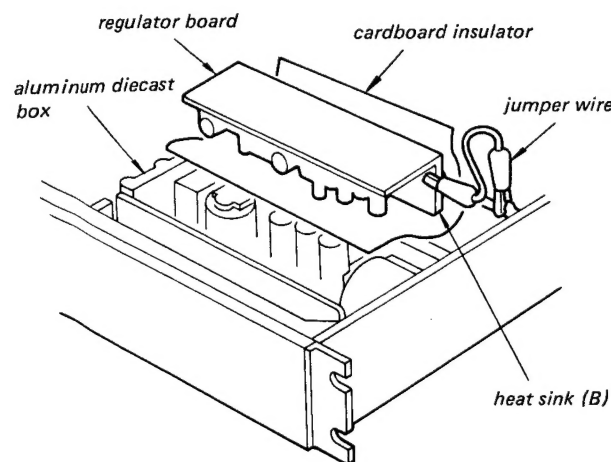
SECTION 1 OUTLINE

1-1. SERVICING NOTE

1. PULSE-LOCKED POWER SUPPLY BOARD REPAIRING

This set has a pulse-locked power-supply circuit which is quite different from a conventional power-supply circuit. The pulse-locked power-supply directly rectifies and smooths the ac input power to produce the higher dc voltages required in the power-supply circuit. When servicing this set, note the following.

- To prevent unwanted radiation due to pulse signals in the pulse-locked power-supply circuit, the pulse-locked power-supply board is shielded by the aluminum diecast box.
- The negative circuit of the secondary rectifier in the pulse-locked power-supply circuit is grounded by screws in the heat sink (B). When checking the regulator board out of the box, use a jumperwire and a cardboard insulator as shown below.
- Take care that electrolytic capacitor C004 which is used after the rectification of ac power source voltage is charged even if the POWER switch is turned off. Be sure to use a resistor of at least several hundred ohms to discharge the capacitor. Direct discharge by means of lead is dangerous.



2. INVERTER CIRCUIT TRANSFORMER REPLACEMENT

The lead wire arrangement for T701 in the inverter circuit is shown in Fig. A.

As the repair parts, T701 is formed by only iron core. Thus, if the coil is defective, arrange a new transformers as shown below. Note that the lead lengths must be exact. Also wind the coil carefully.

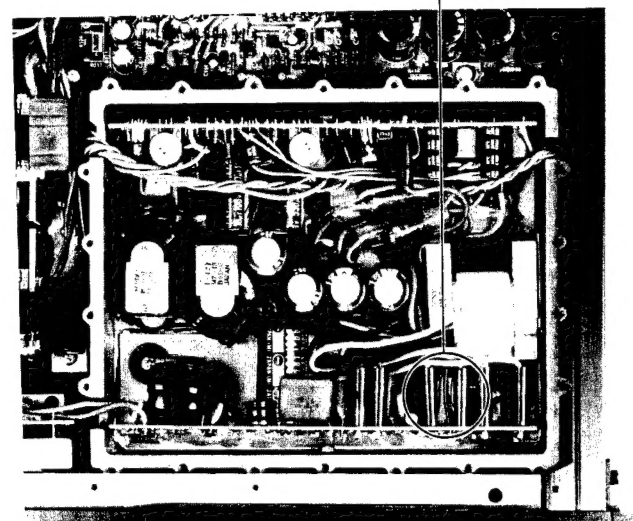
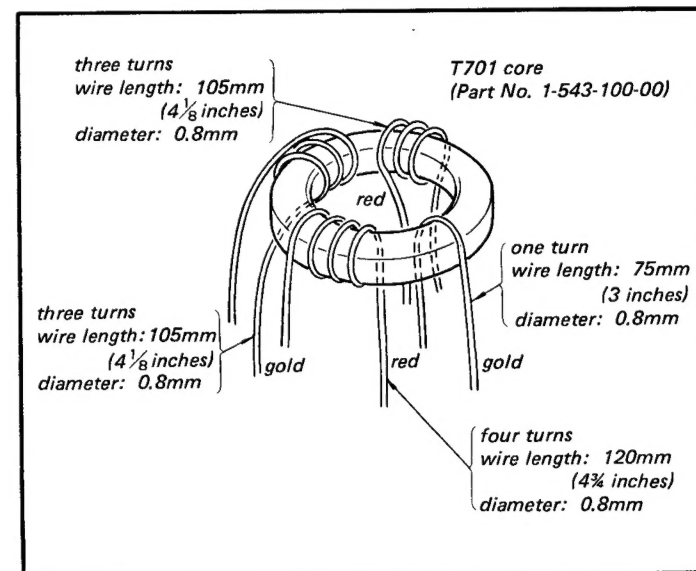


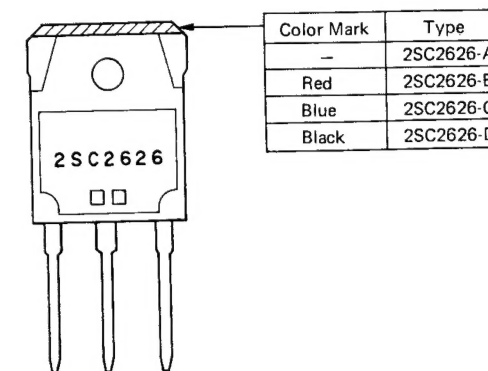
Fig. A

(Photo : US model)

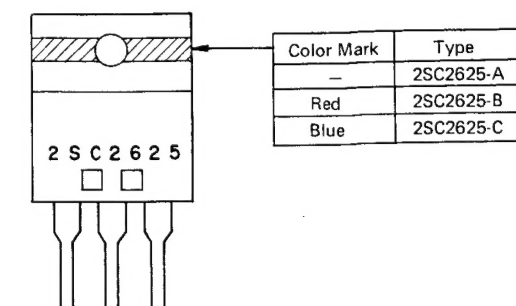
3. INVERTER CIRCUIT TRANSISTOR REPLACEMENT (Q703 - 706)

When replacing Q703 - 706 in the inverter circuit, use those which have the same hFE rank and color code. A kit containing 4 transistors with the same rank is provided for field service use.

US model
Q703 - 706
Part No. X-4870-213-1

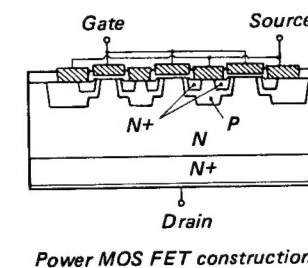


AEP, UK model
Q703 - 706
Part No. X-4870-214-1



4. POWER MOS FETs

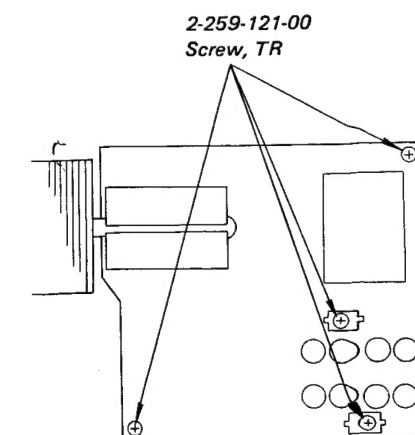
This set uses 4 pairs of power MOS-FETs 2SK173 and 2SJ54. It features high voltage resistance and high gm in addition to the usual characteristics of high speed switching, high input impedance, no secondary breakdown and pentoda. These MOS FETs are enhancement type, different from the depletion type used before. The gate voltage is higher than the source voltage. (Forward Bias)



5. POWER AMP BOARD SCREW REPLACEMENT

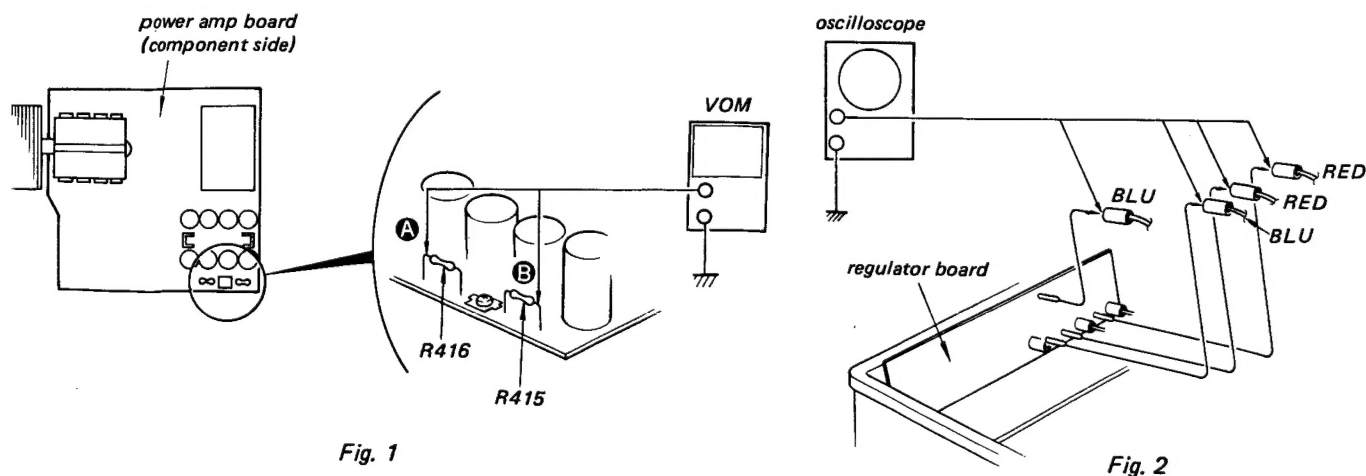
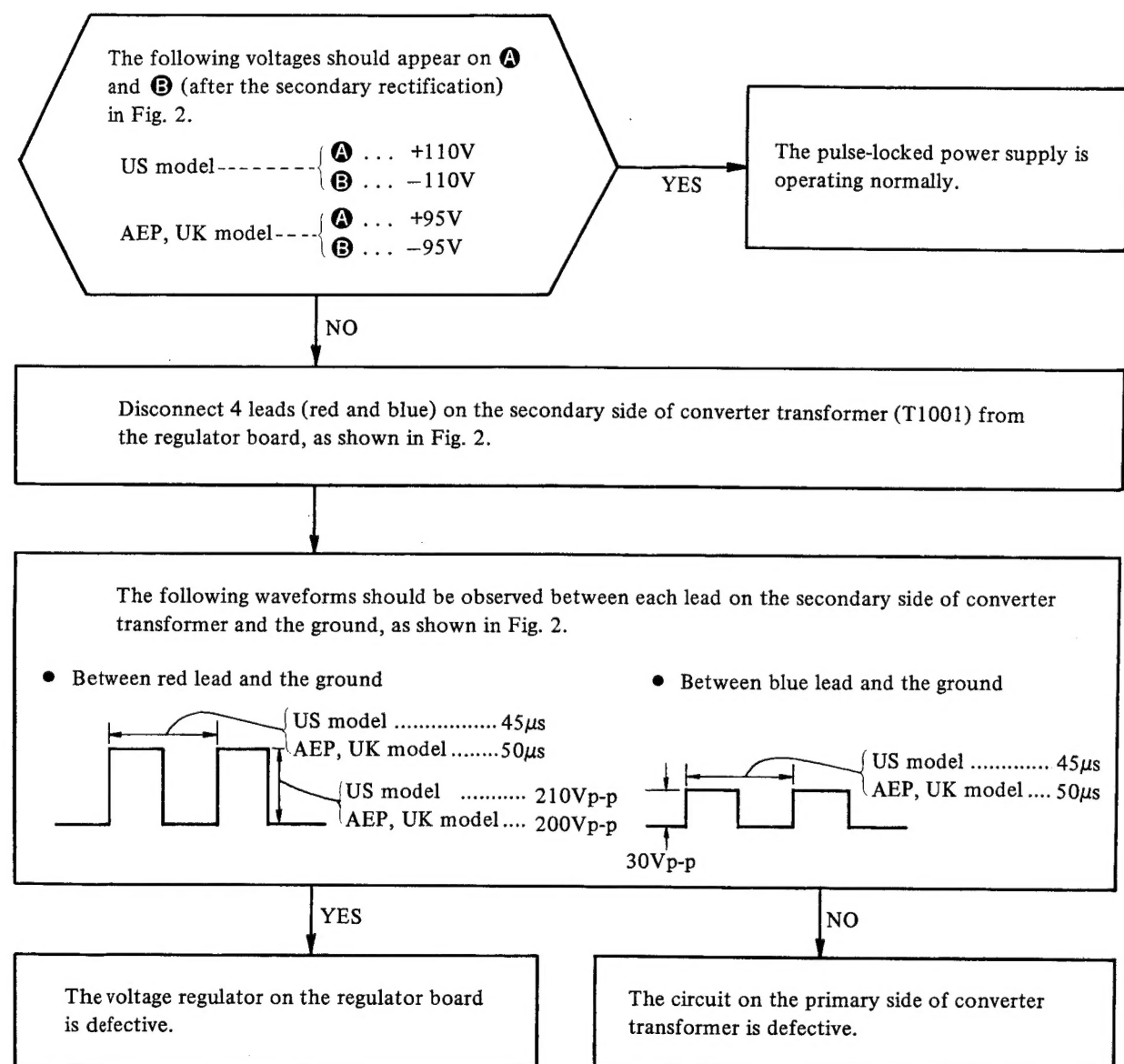
On 4 screws which fasten the power amp board affect the tonal quality.

When replacing screws, use specified copper screws. (Part No. 2-259-121-00)



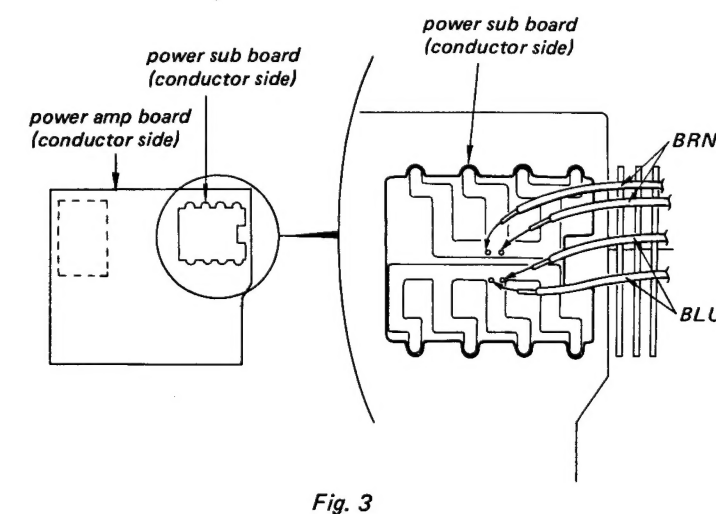
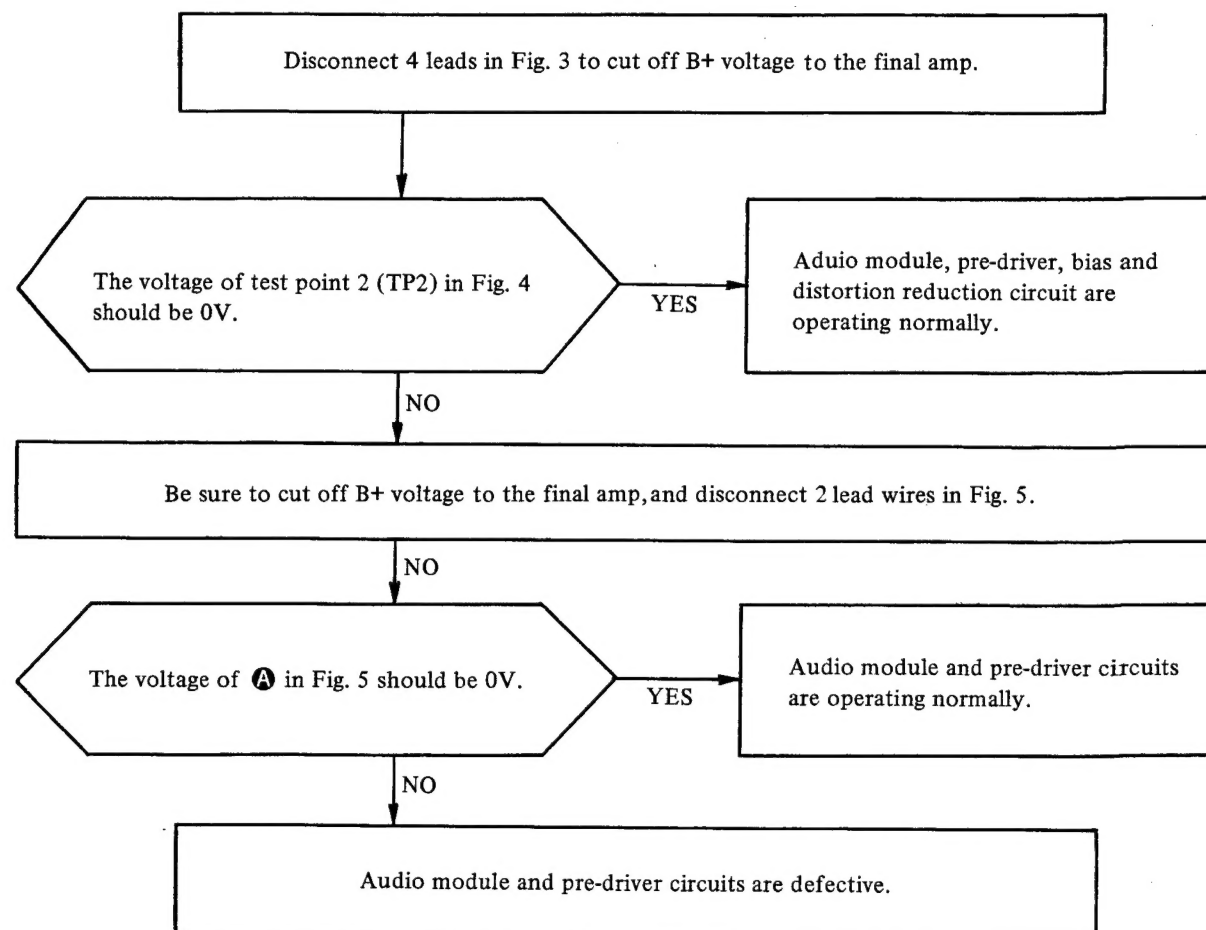
1-2. POINT FOR REPAIRING

1. Pulse-locked Power Supply Checking

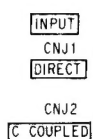


2. Power Amp Checking

CAUTION: Be careful not to disconnect the 2 lead wires in Fig. 5 (for B+ voltage on bias and distortion reduction circuits) or turn the power on while connecting 4 leads in Fig. 3 (B+ voltage in the final amp). This causes breakdown of the final amp.



1-3. BLOCK DIAGRAM



SECTION 2 DISASSEMBLY

TA-N900 TA-N900

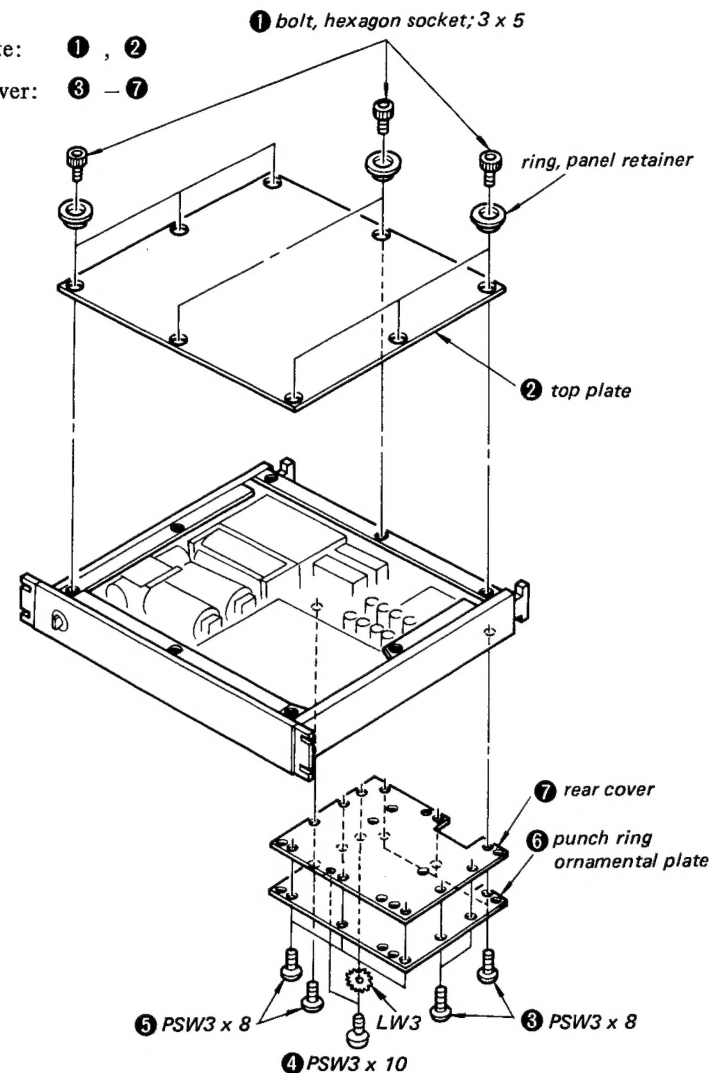
• Follow the disassembly procedure in the numerical order given.

TOP COVER/REAR COVER

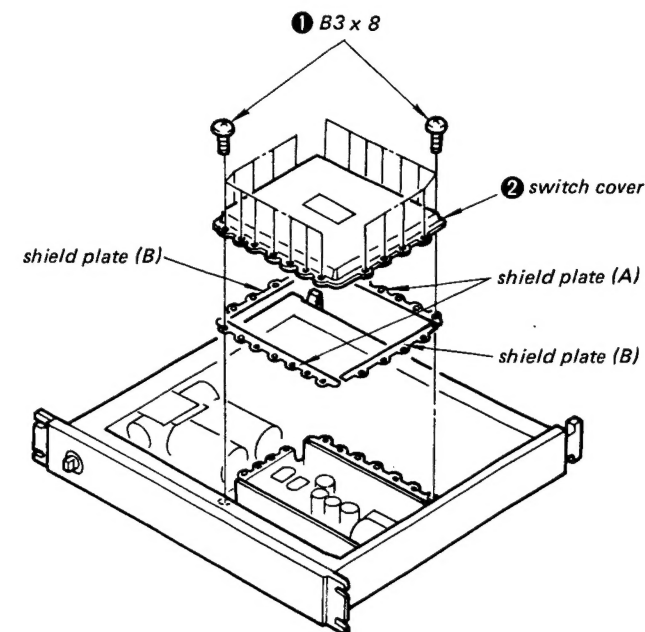
Remove the bottom cover, and check the power amp board.

Top Plate: ①, ②

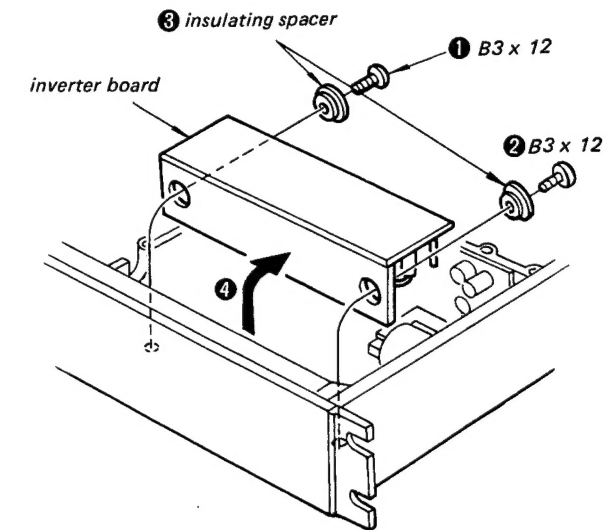
Rear Cover: ③ - ⑦



SWITCH COVER

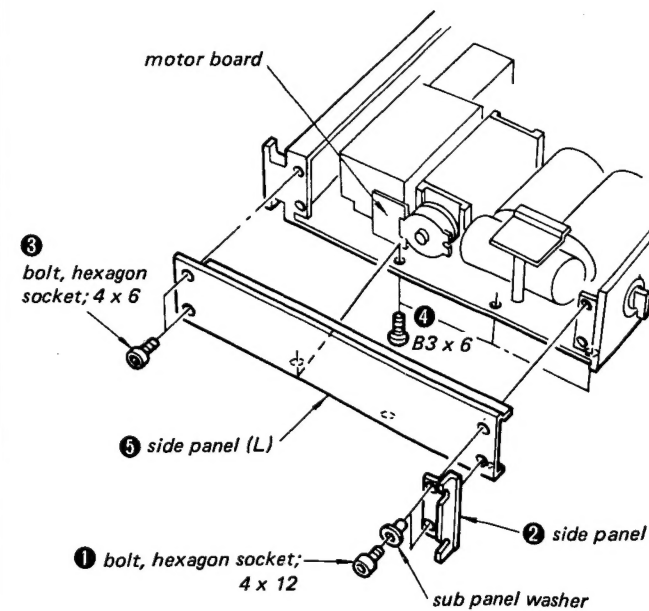


INVERTER BOARD

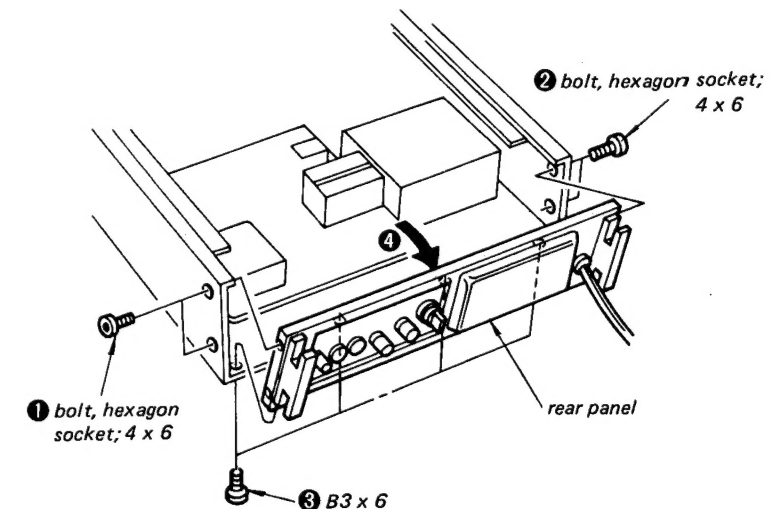


SIDE PANEL (L), (R)

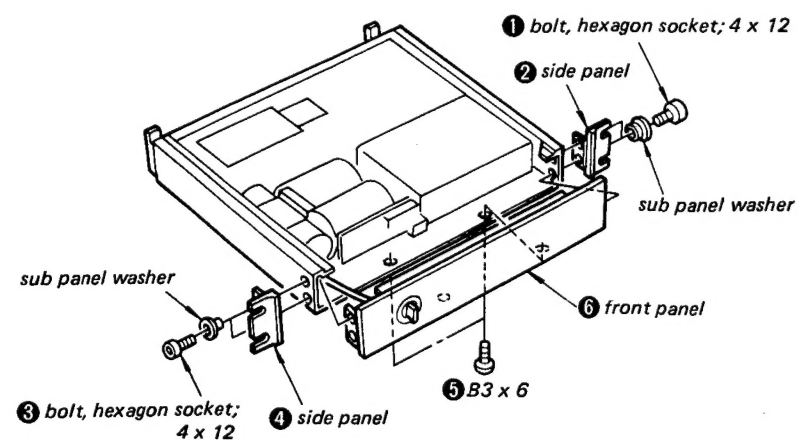
(Side panel (R) removal is the identical to that of side panel (L)).
Remove the side panel (L), and check the motor board.



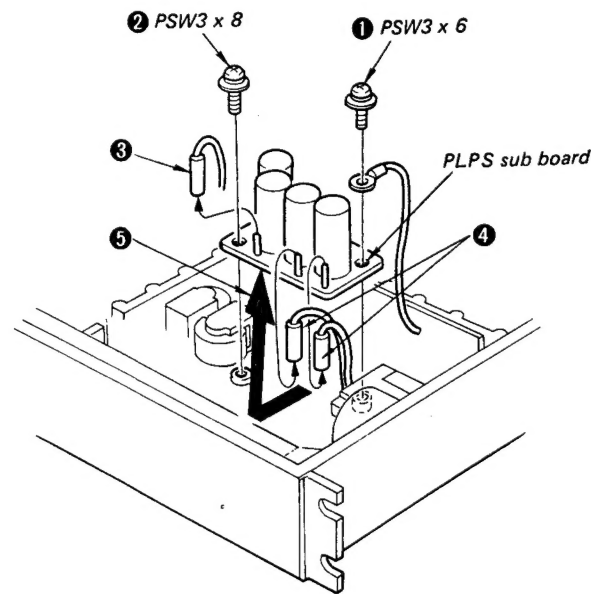
REAR PANEL



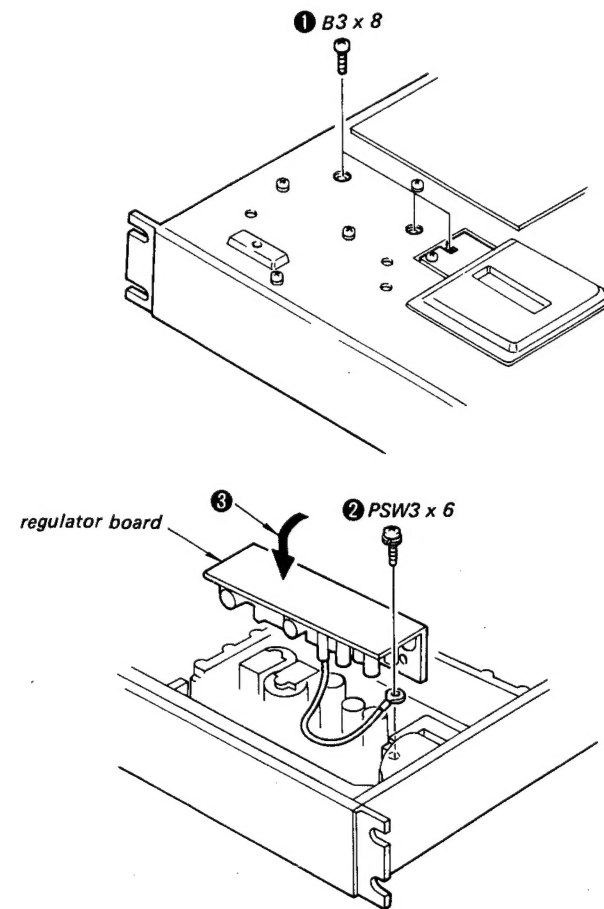
FRONT PANEL



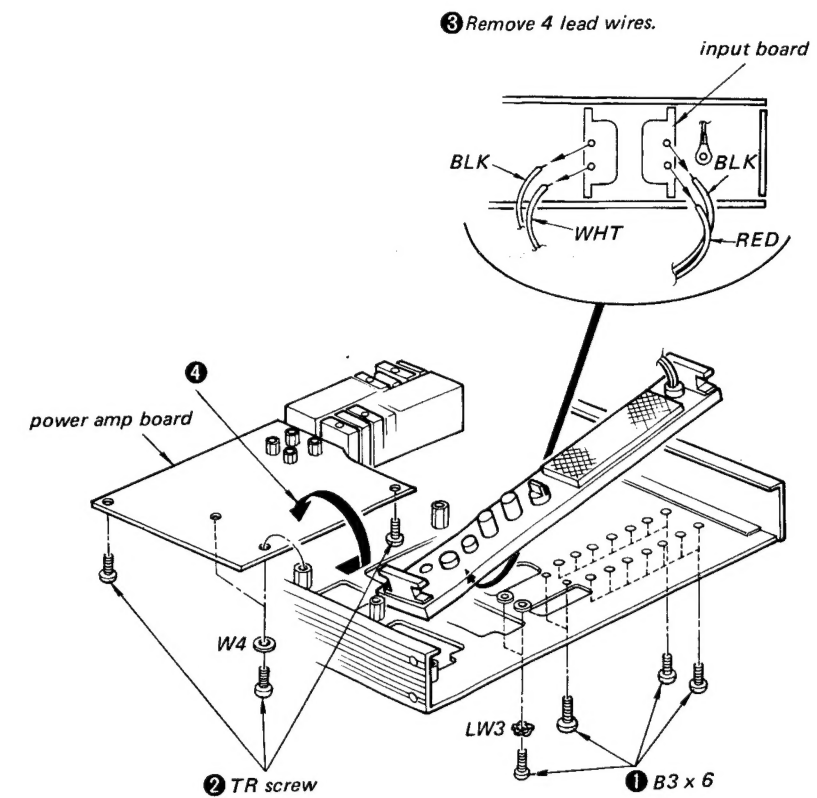
PLPS SUB BOARD



REGULATOR BOARD



POWER AMP BOARD



CAUTION: On 4 screws (2) which fasten the power amp board affect the tonal quality. When replacing screws, use specified copper screws (Part No. 2-259-121-00).

SECTION 3 ADJUSTMENTS

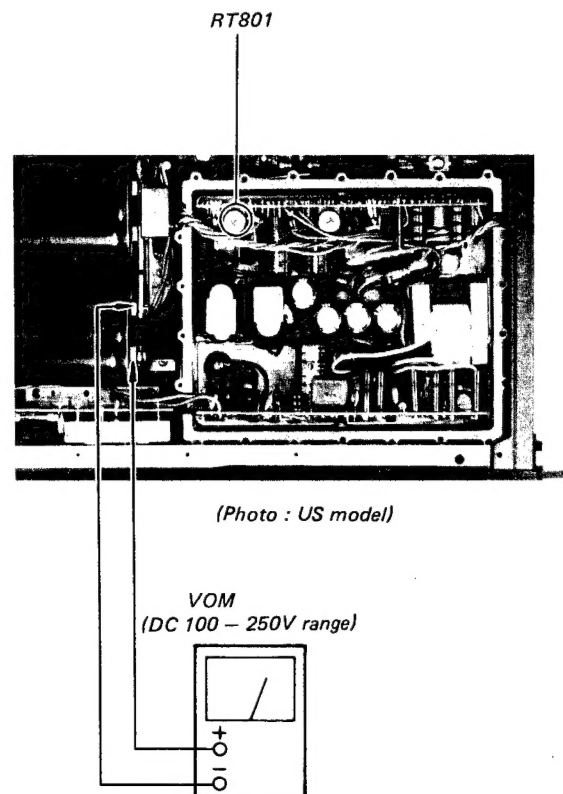
B+ Voltage Adjustment

Procedure:

Adjust RT801 so that the VOM reading is as follows.

SPEAKER IMPEDANCE (S2) switch	VOM reading
8 – 16Ω	70.5 – 71.5V
4Ω	48.0 – 57.0V
2Ω	33.5 – 37.5V

Adjustment Location:



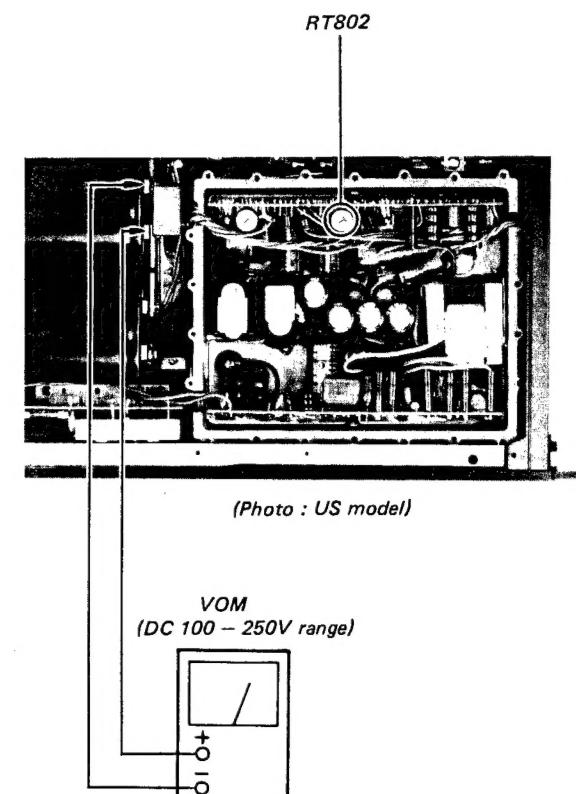
B- Voltage Adjustment

Procedure:

Adjust RT802 so that the VOM reading is as follows.

SPEAKER IMPEDANCE (S2) switch	VOM reading
8 – 16Ω	70.5 – 71.5V
4Ω	48.0 – 57.0V
2Ω	33.5 – 37.5V

Adjustment Location:

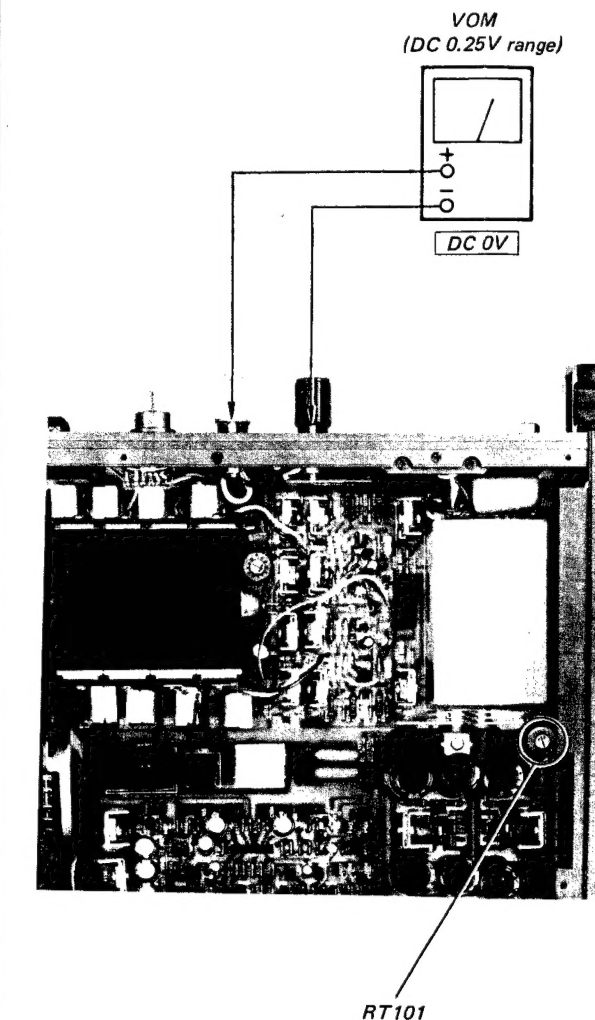


Offset Adjustment

Procedure:

Adjust RT101 for 0V dc reading on the VOM.

Adjustment Location:



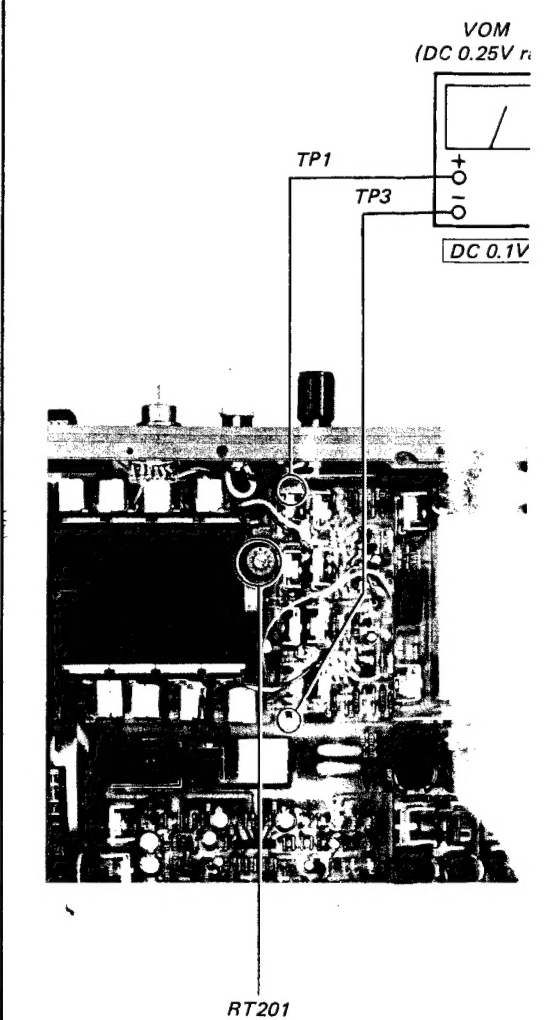
Idling Current Adjustment

Procedure:

Adjust RT201 for 0.1V dc reading on the VOM.

Note: Allow about several minutes for warm-up before the adjustment.

Adjustment Location:



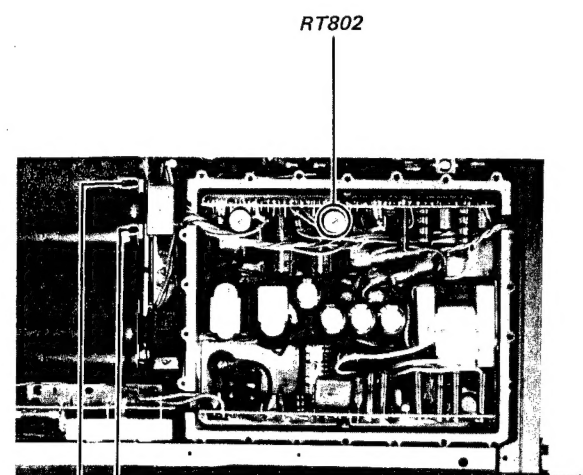
B- Voltage Adjustment

Procedure:

Adjust RT802 so that the VOM reading is as follows.

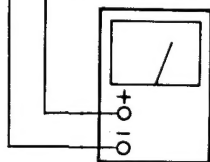
SPEAKER IMPEDANCE (S2) switch	VOM reading
8 - 16Ω	70.5 - 71.5V
4Ω	48.0 - 57.0V
2Ω	33.5 - 37.5V

Adjustment Location:



(Photo : US model)

VOM
(DC 100 - 250V range)

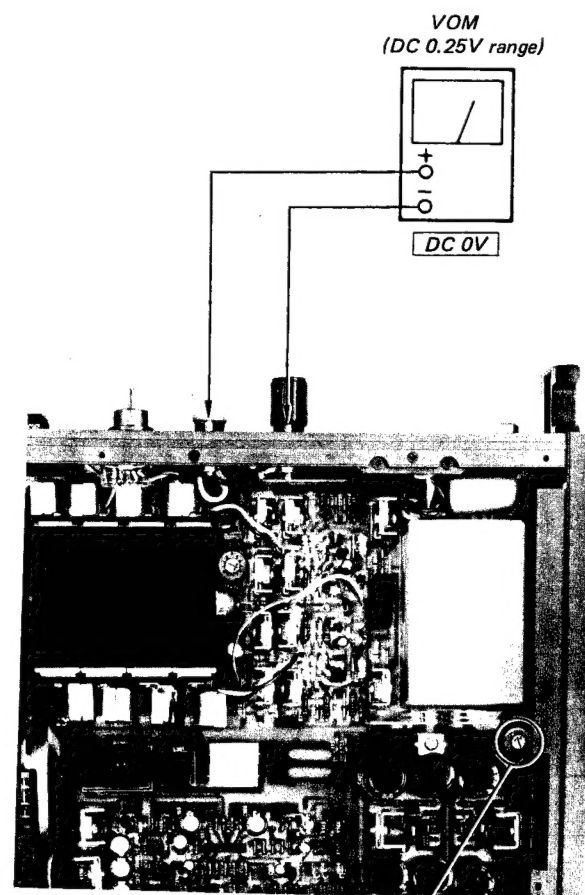


Offset Adjustment

Procedure:

Adjust RT101 for 0V dc reading on the VOM.

Adjustment Location:



RT101

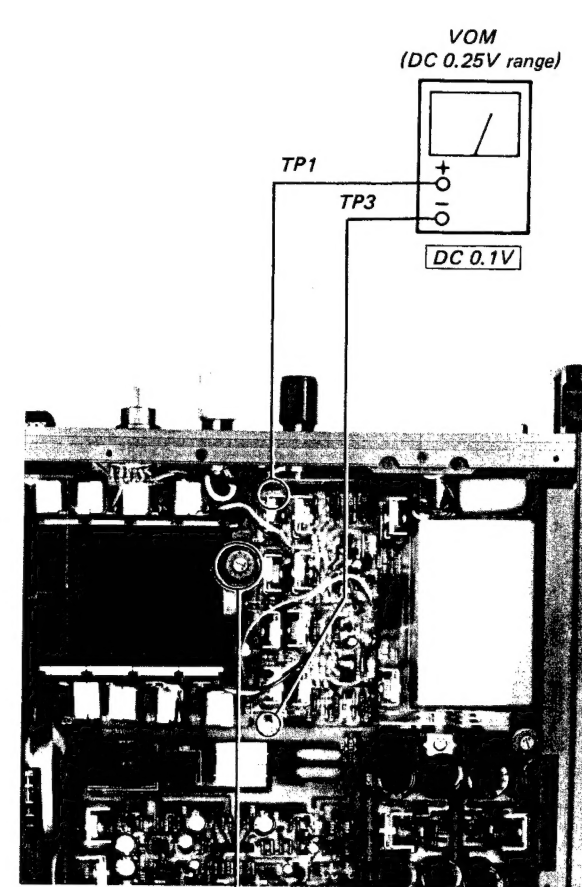
Idling Current Adjustment

Procedure:

Adjust RT201 for 0.1V dc reading on the VOM.

Note: Allow about several minutes for warm-up before the adjustment.

Adjustment Location:



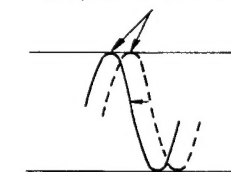
RT201

Fan Motor Adjustment

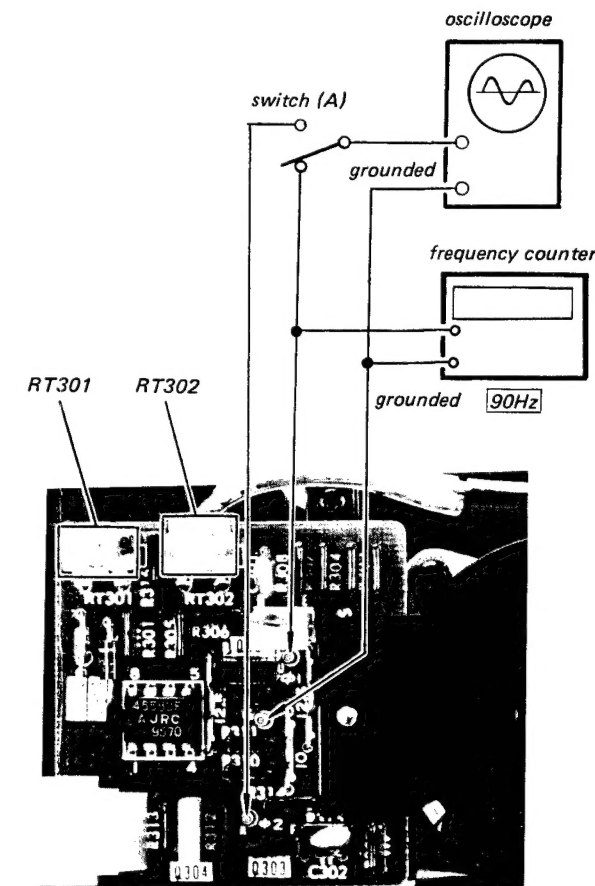
Procedure:

1. Adjust RT302 so that the waveform on the oscilloscope becomes as shown below when switching over the switch (A) (Speed Adjustment).

Same peak value should be obtained.



2. Adjust RT301 for 90Hz reading on the counter (Balance Adjustment).



SECTION 4
DIAGRAMS

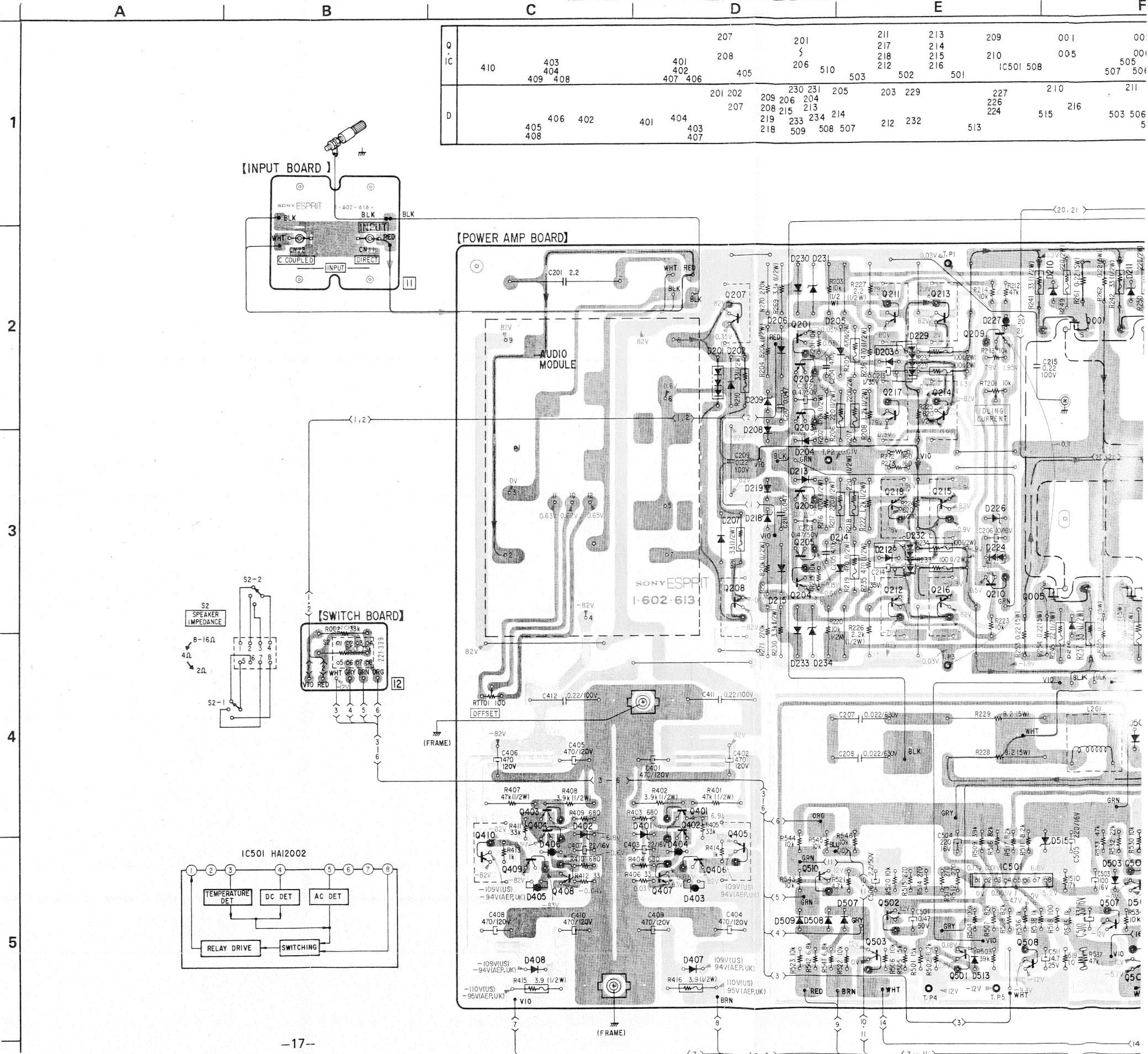
4-1. MOUNTING DIAGRAMS
— Conductor Side —

- Refer to page 28 for semiconductor lead layout.

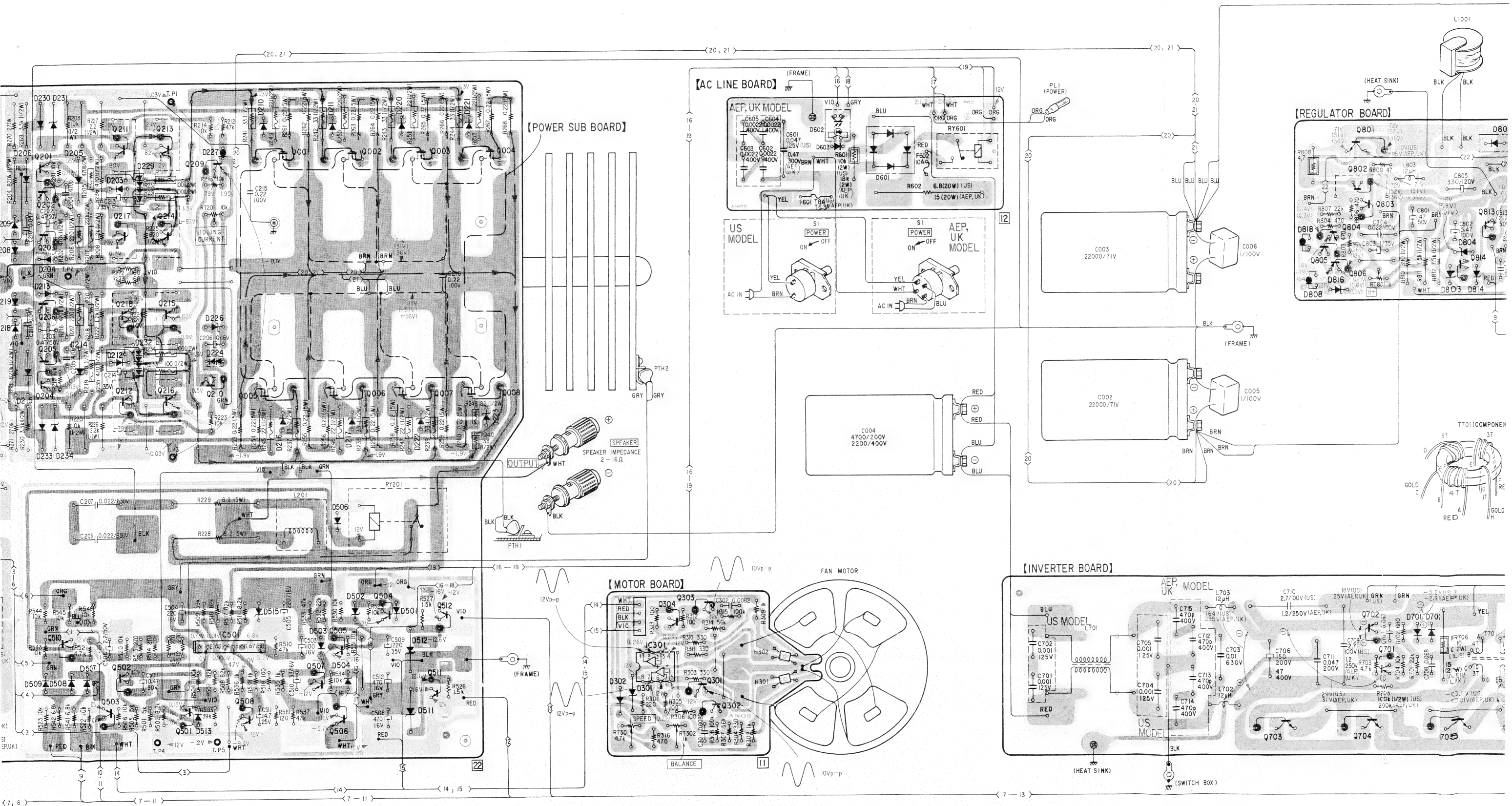
- Note:**
- : parts extracted from the component side.
 - : parts extracted from the conductor side.
 - : B+ pattern
 - : B- pattern
 - : signal path
 - Voltages and voltage waveforms are dc with respect to ground unless otherwise noted.
 - Voltages and voltage waveforms in the inverter circuit are dc with respect to the negative conductor side of C706.
 - Readings are taken under no-signal conditions with a VOM (20k Ω /V).

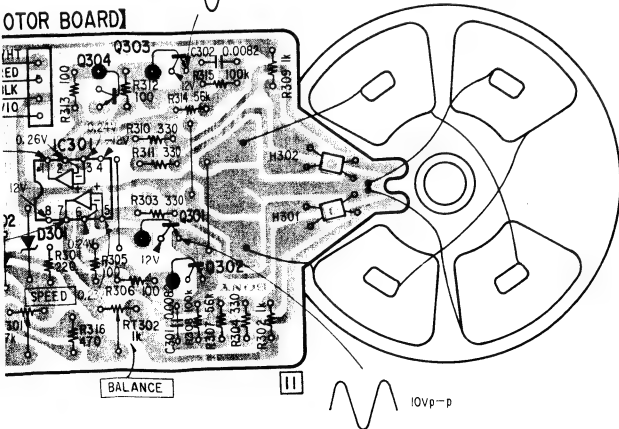
	S2 (SPEAKER IMPEDANCE) POSITION
no-mark	8 — 16 Ω
()	4 Ω
< >	2 Ω

When audio module is defective, replace it as audio module block (A-4388-246-A).

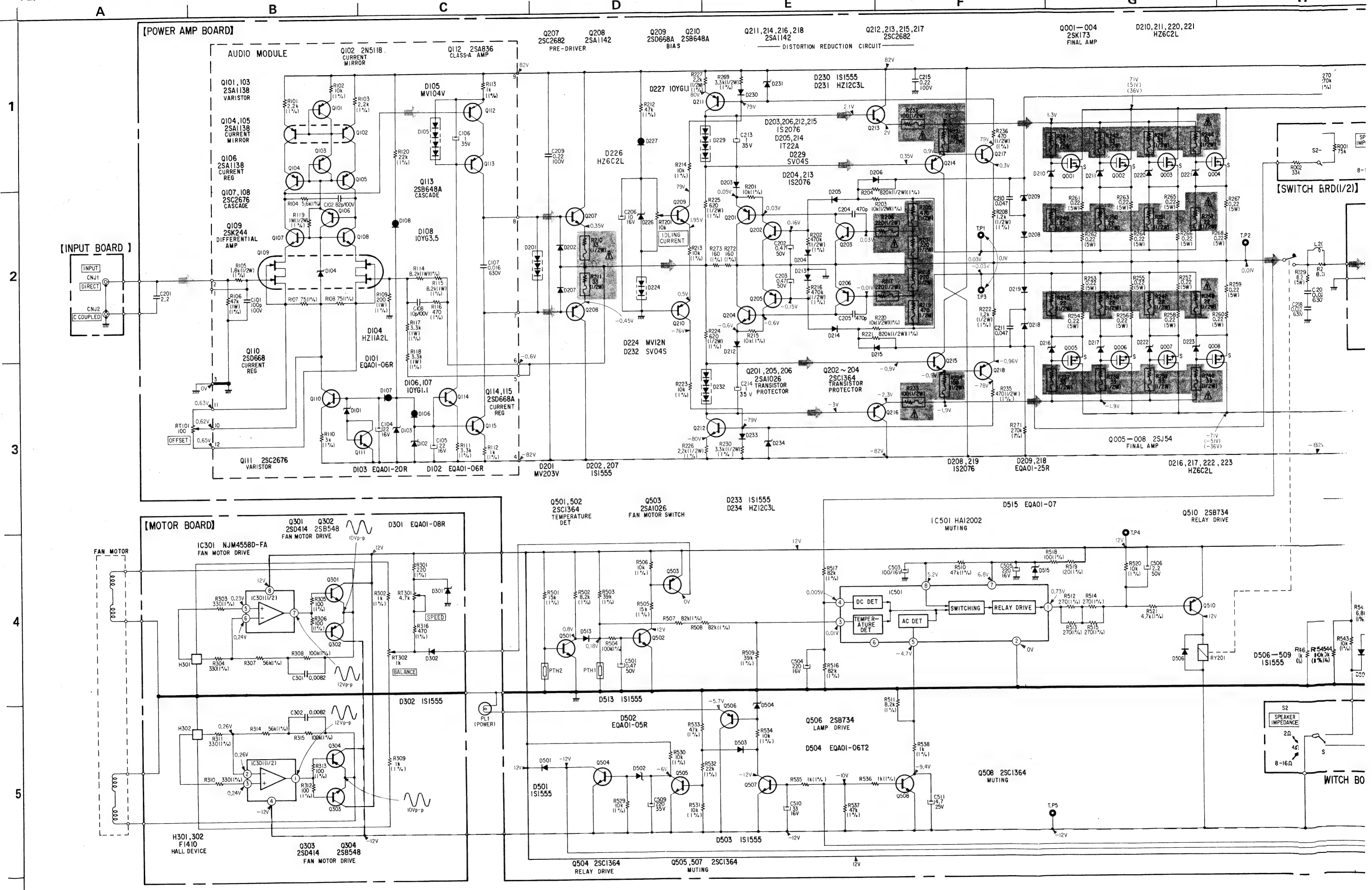


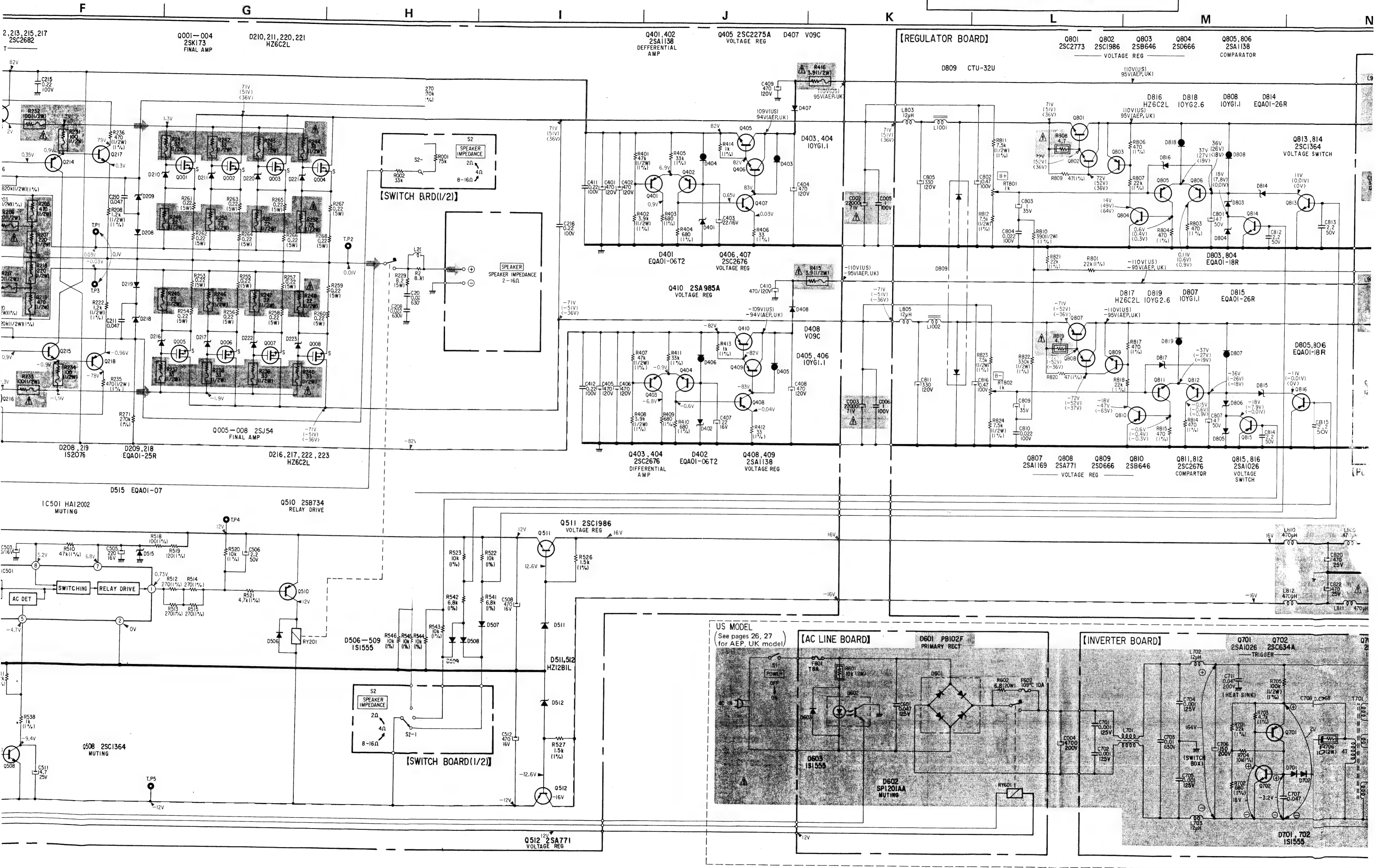
E					F					G					H					I					J					K					L				
201	211	213	209	001	002	003	004							304	303													801	804	802	803	814	813						
5	217	214	210	005	006	007	008							IC301	301	302																							
206	510	503	502	501	IC501	508			505	506	504	512	511													703			702	701									
									507																			704				705							
209	230	231	205	203	229		210	211		220	221																		818				804	80					
208	206	204					216			217	222	223		301																		803	814						
219	215	213	214							503	506	502	501		302																								
218	233	234	214							504			512	511																									

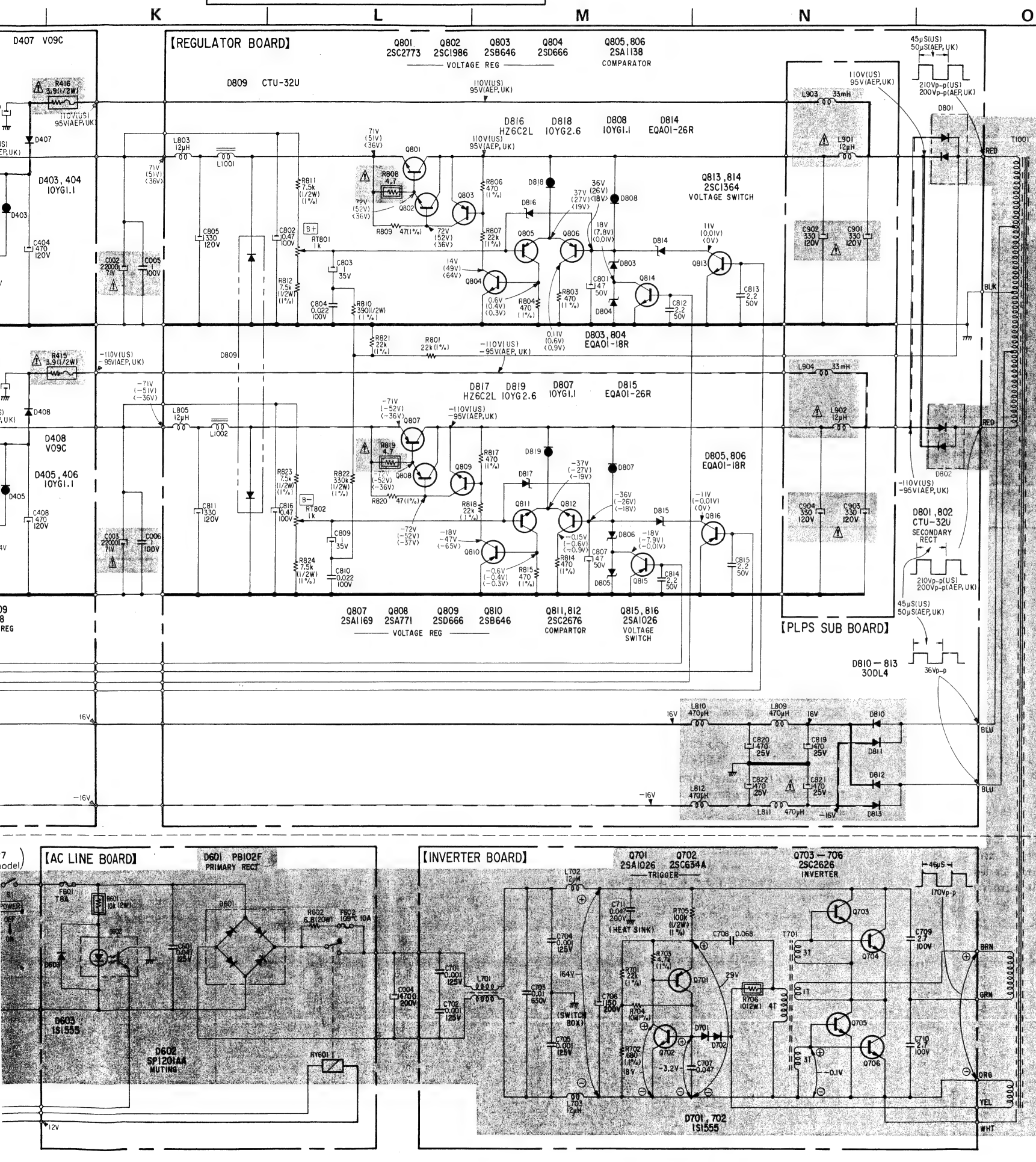




4.2. SCHEMATIC DIAGRAM







Note:

- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. k Ω : 1000 Ω , M Ω : 1000 k Ω
- 1% (resistor) indicates component tolerance. (1% of the schematic diagram is omitted in the mounting diagrams.)
- : nonflammable resistor.
- : fusible resistor.
- : signal path
- : adjustment for repair.
- : B+ bus.
- : B- bus.
- Voltages and voltage waveforms are dc with respect to ground unless otherwise noted. Voltages and voltage waveforms in the inverter circuit are dc with respect to the negative conductor side of C706.
- Readings are taken under no-signal conditions with a VOM (20k Ω /V).

	S2 (SPEAKER IMPEDANCE) POSITION
no-mark	8 - 16 Ω
()	4 Ω
< >	2 Ω

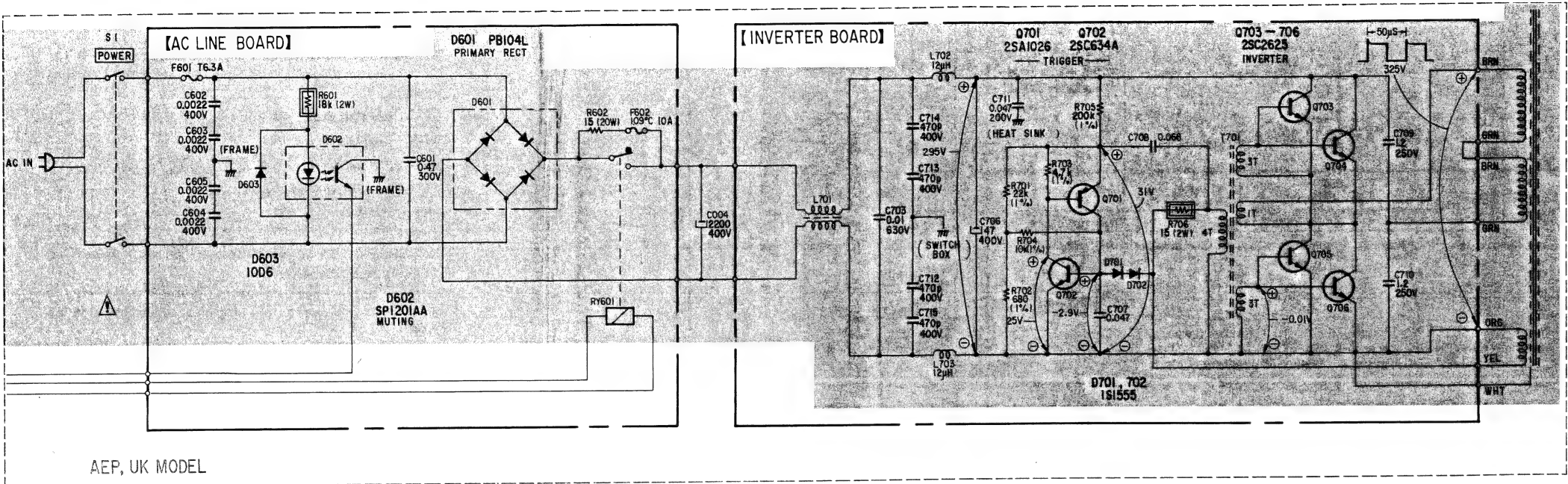
- Voltage variations may be noted due to normal production tolerances.


Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.


Note: Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



When audio module is defective, replace it as audio module block (A-4388-246-A).

4.3. SCHEMATIC DIAGRAM
— AC Line Board and Inverter Board —
(AEP, UK model)

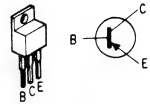
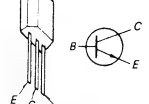
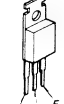
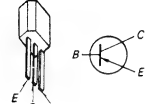
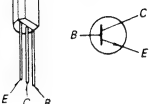

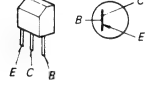
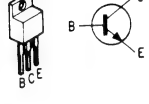

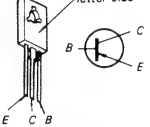
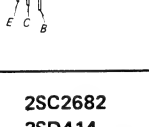
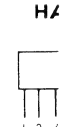
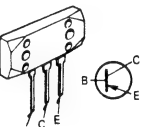
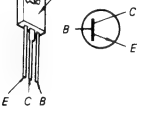
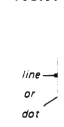
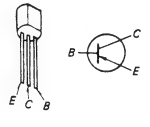
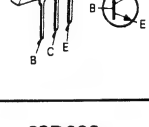
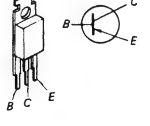
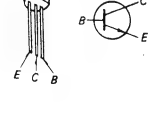


Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Note:
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega$: 1000Ω , $\text{M}\Omega$: $1000\text{k}\Omega$
 - 1% (resistor) indicates component tolerance. (1% of the schematic diagram is omitted in the mounting diagrams.)
 -  : nonflammable resistor.
 -  : fusible resistor.
 - Voltages and voltage waveforms in the inverter circuit are measured with respect to the negative conductor side of C706.
 - Readings are taken in the no signal condition.

• Semiconductor Lead Layout.

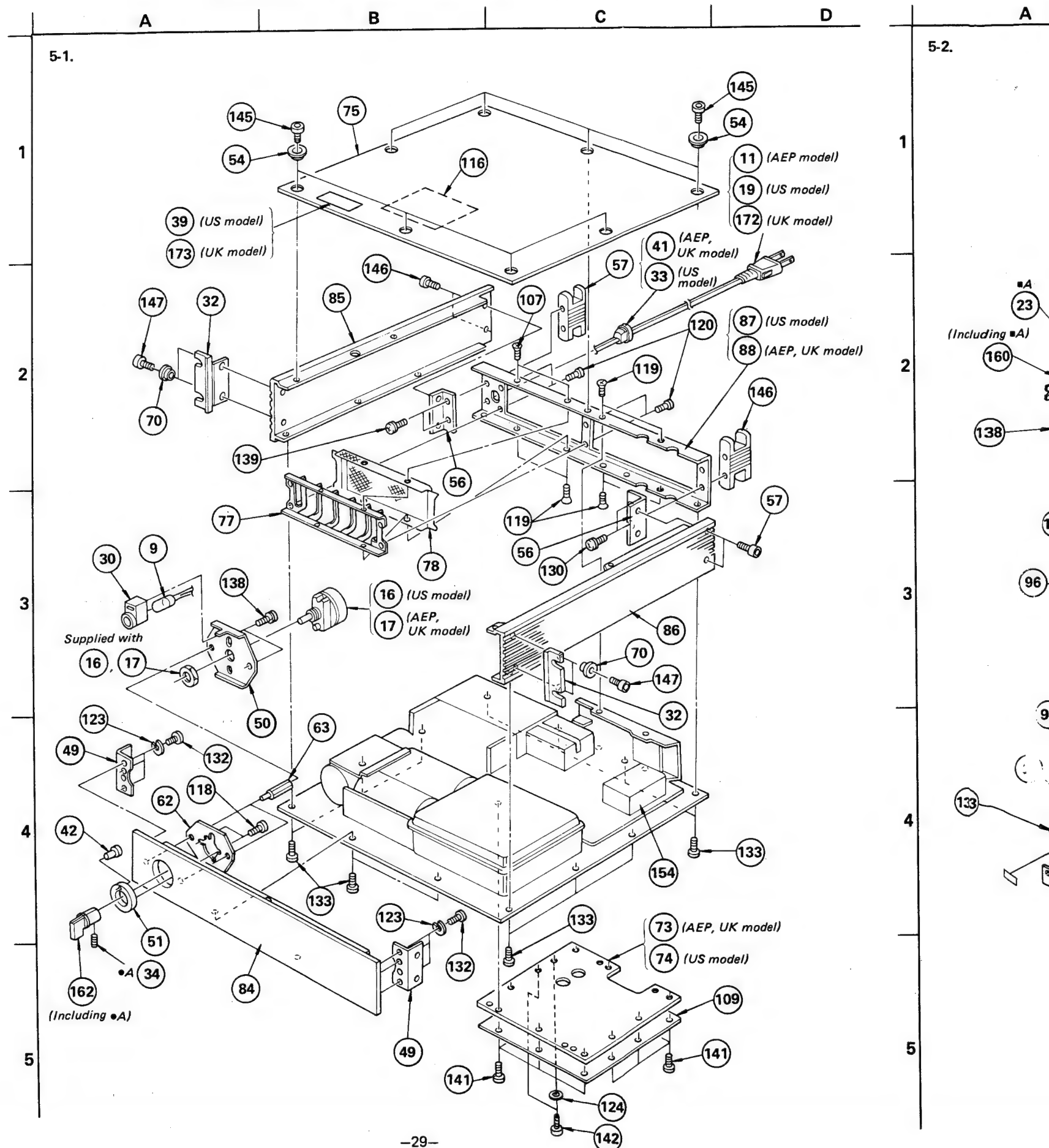
2SA771 2SA985A	2SC634A	2SI
		
2SA1026 2SA1027R	2SC1364	2S
		
2SA1138 2SB734	2SC1986 2SC2275A	2SI
		
2SA1142 2SB548 2SB648A	2SC2676	HA
		
2SA1169	2SC2682 2SD414 2SD668A	NJM
		
2SB646 2SB646A 2SB740	2SC2773	1 1 1 3 H H
		
2SB720	2SD666 2SD666A	10 10 10
		

anode

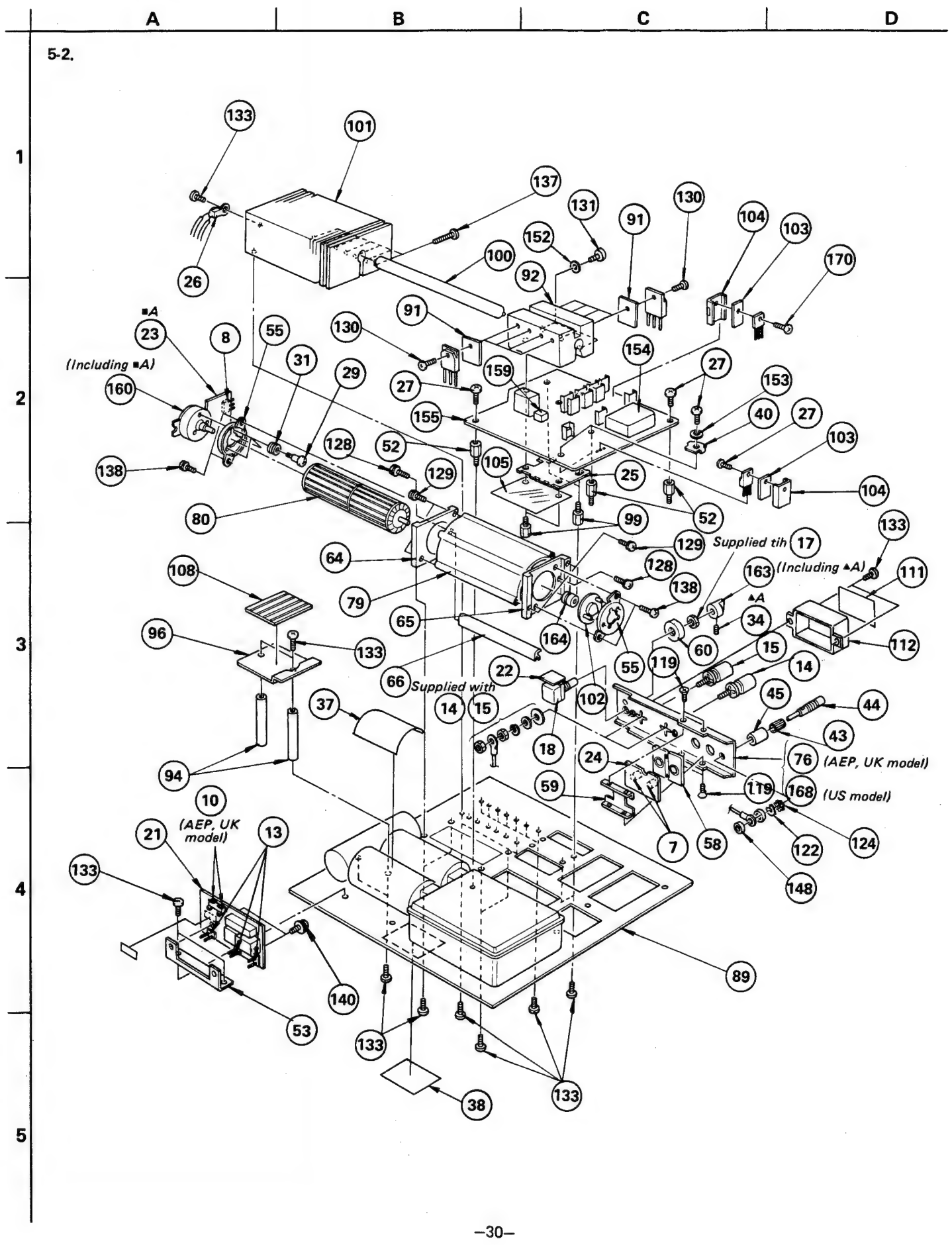
• Semiconductor Lead Layout.

<p>2SA771 2SA985A</p>	<p>2SC634A</p>	<p>2SD760</p>	<p>CTU-32U</p>	<p>SV04S</p>
<p>2SA1026 2SA1027R</p>	<p>2SC1364</p>	<p>2SJ54</p>	<p>EQA01-05R EQA01-06R EQA01-06T2 EQA01-07 EQA01-08R EQA01-18R EQA01-25R EQA01-26R</p>	<p>V09C</p>
<p>2SA1138 2SB734</p>	<p>2SC1986 2SC2275A</p>	<p>2SK173</p>	<p>10D6</p>	<p>2SC2625 2SC2626</p>
<p>2SA1142 2SB548 2SB648A</p>	<p>2SC2676</p>	<p>HA12002</p>	<p>F1410</p>	<p>MV12N</p>
<p>2SA1169</p>	<p>2SC2682 2SD414 2SD668A</p>	<p>NJM4558D-FA</p>	<p>MV203V</p>	<p>PB102F PB104L</p>
<p>2SB646 2SB646A 2SB740</p>	<p>2SC2773</p>	<p>1S1555 1S2076 1T22A 1T22AM 30DL4 HZ6C2L HZ12C3L HZ12B1L</p>	<p>10YG1.1 10YG1.5 10YG2.6</p>	<p>SPI201 SPI201AA</p>
<p>2SB720</p>	<p>2SD666 2SD666A</p>			

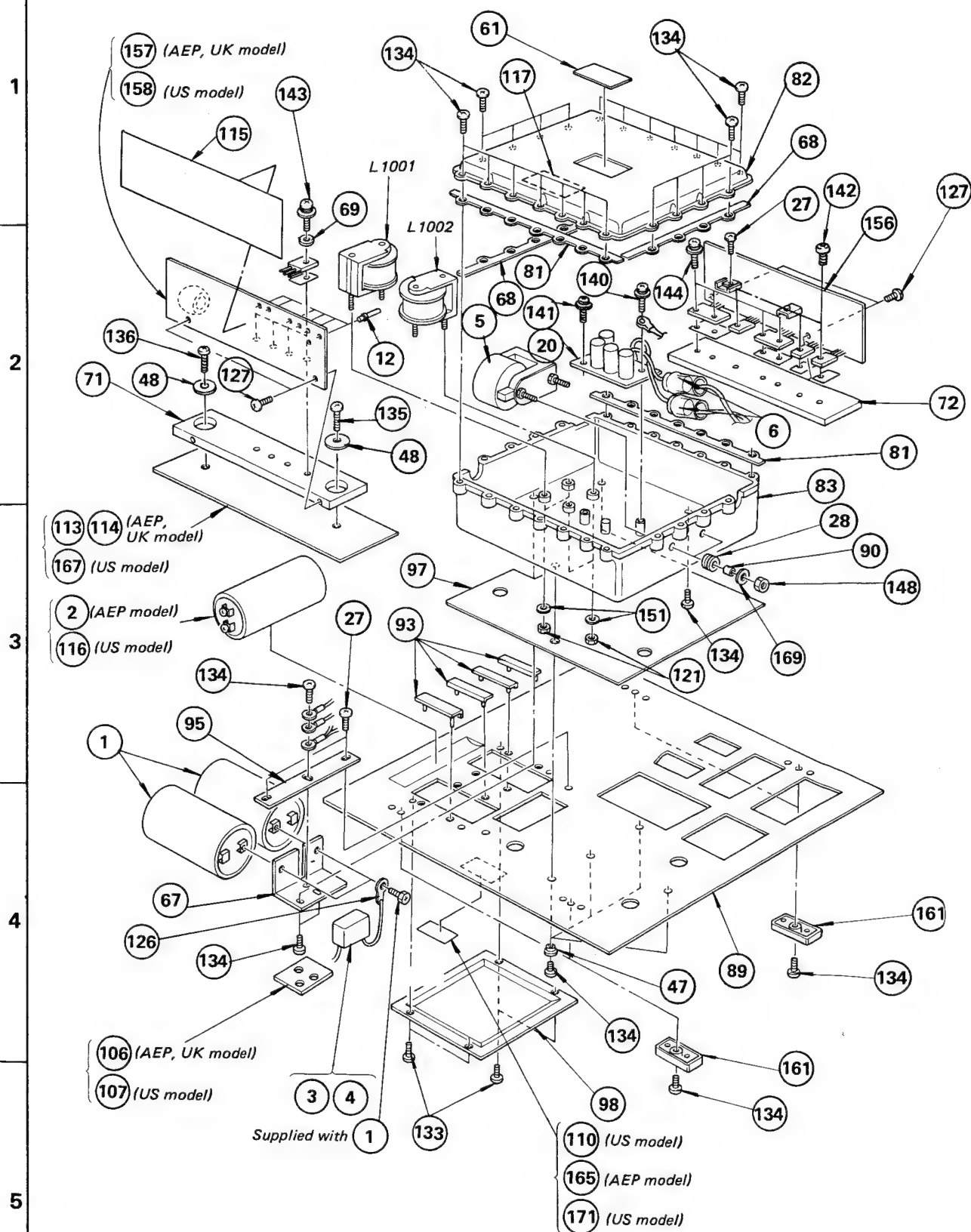
SECTION 5
EXPLODED VIEWS AND PARTS LIST



TA-N900 TA-N900



5-3.



GENERAL SECTION

No.	Part No.	Description
91	4-870-254-00	SHEET, RADIATION
92	4-870-255-00	BLOCK (E)
93	4-870-260-00	CUSHION, CAPACITOR
94	4-870-261-00	SUPPORT
95	4-870-262-00	PLATE (B), GROUND
96	4-870-263-00	PLATE (B), HOLD, C
97	4-870-264-00	INSULATOR
98	4-870-265-00	CASE, CAPACITOR
99	4-870-266-00	SUPPORT, BLOCK
100	4-870-267-00	HEAT PIPE
101	4-870-268-00	HEAT BLOCK
102	4-870-269-00	HOUSING, FAN METAL
103	4-870-272-00	HEAT SINK
104	4-870-273-00	HEAT SINK (E)
105	4-870-274-00	INSULATOR (B)
106	4-870-275-00	PLATE, ORNAMENTAL, GROUND*** (AEP,UK)
107	4-870-275-11	PLATE, ORNAMENTAL, GROUND*** (US)
108	4-870-276-00	SHEET, ORNAMENTAL RUBBER
109	4-870-277-00	PLATE, ORNAMENTAL, PUNCHING
110	4-870-282-00	LABEL, MODEL NUMBER*** (US)
111	4-870-283-00	LABEL, CAUTION*** (US)
112	4-870-284-00	COVER, TERMIRAL*** (US)
113	4-870-286-01	SHEET, INSULATING*** (AEP,UK)
114	4-870-286-11	SHEET, INSULATING*** (AEP,UK)
115	4-870-287-00	SHEET, INSULATING*** (AEP,UK)
116	4-870-288-00	BARRIER, TOP PLATE*** (US)
117	4-870-289-00	SHEET, INSULATING*** (AEP,UK)
118	7-621-284-00	SCREW +P 2.6X4
119	7-621-559-48	SCREW +K 2.6X6
120	7-621-775-20	SCREW +B 2.6X5
121	7-622-205-05	N 2, TYPE 2
122	7-623-208-22	SW 3, TYPE 2
123	7-623-212-22	SW 5, TYPE 2
124	7-623-422-07	LW 3, TYPE B
125	7-623-508-01	LUG, 3
126	7-623-510-01	LUG, 4
127	7-628-254-10	SCREW +PS 2.6X6
128	7-628-254-20	SCREW +PS 2.6X8
129	7-628-254-30	SCREW +PS 2.6X10
130	7-682-149-15	SCREW +P 3X10
131	7-682-168-15	SCREW +P 4X30
132	7-682-174-09	SCREW +P 5X8
133	7-682-547-09	SCREW +B 3X6
134	7-682-548-09	SCREW +B 3X8
135	7-682-550-09	SCREW +B 3X12

GENERAL SECTION

No.	Part No.	Description
136	7-682-551-09	SCREW +B 3X14
137	7-682-555-09	SCREW +B 3X30
138	7-682-646-09	SCREW +PS 3X5
139	7-682-663-09	SCREW +PS 4X12
140	7-682-947-09	SCREW +PSW 3X6
141	7-682-948-09	SCREW +PSW 3X8
142	7-682-949-01	SCREW +PSW 3X10
143	7-682-949-09	SCREW +PSW 3X10
144	7-682-950-09	SCREW +PSW 3X12
145	7-683-402-04	BOLT, HEXAGON SOCKET 3X5
146	7-683-418-04	BOLT, HEXAGON SOCKET 4X6
147	7-683-421-04	BOLT, HEXAGON SOCKET 4X12
148	7-684-023-04	N 3, TYPE 2
149	7-685-534-24	SCREW +BTP 2.6X8 TYPE2 N-5
150	7-686-530-01	SCREW, TOTSU PSW 3X12
151	7-688-001-11	W 2, MIDDLE
152	7-688-004-03	W 4, SMALL
153	7-688-004-11	W 4, MIDDLE
154	A-4388-246-A	AUDIO MODULE ASSY
155	A-4388-253-A	MOUNTED PCB, AMPLIFIER, POWER
156	A-4394-208-A	MOUNTED PCB, SUB, PLPS
157	A-4394-233-A	MOUNTED PCB, INVERTOR*** (AEP,UK)
158	A-4396-103-A	MOUNT ASSY, INVERTOR*** (US)
159	A-4409-413-A	COIL ASSY
160	A-4490-067-A	MOTOR COMPLETE ASSY, FAN
161	X-4852-903-0	LEG ASSY
162	X-4870-208-0	KNOB ASSY
163	X-4870-209-0	KNOB ASSY, F
164	X-4870-212-0	SLEEVE (A) ASSY
165	4-870-291-00	LABEL, MODEL NUMBER*** (AEP)
166	1-125-255-00	CAP, ELECT 4700MF 200V (C004)*** (US)
167	4-870-218-00	SHEET, INSULATING (A)*** (US)
168	4-870-239-11	PLATE, TERMINAL, OUTER*** (US)
169	3-426-119-00	WASHER
170	2-259-121-11	SCREW, TR, 3X8
171	4-870-292-00	LABEL, MODEL NUMBER*** (UK)
172	1-551-884-00	POWER CORD*** (UK)
173	3-703-043-21	LABEL, MAIN CAUTION*** (UK)
174	3-701-690-00	LABEL, MADE IN JAPAN*** (UK)

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
181	3-701-616-00	BAG, POLYETHYLENE
182	3-701-623-00	BAG, POLYETHYLENE
183	3-701-630-00	BAG, POLYETHYLENE
184	3-783-487-11	MANUAL, INSTRUCTION*** (AEP,UK)
185	3-783-487-21	MANUAL, INSTRUCTION*** (US)
186	3-795-091-11	TAG, INSPECTION
187	3-795-097-11	INSTRUCTION*** (AEP,UK)
188	3-795-097-21	INSTRUCTION*** (US)
189	4-870-259-00	LABEL, INDIVIDUAL CARTON
190	4-870-278-00	INDIVIDUAL CARTON
191	4-870-279-00	CUSHION (LEFT)
192	4-870-280-00	CUSHION (RIGHT)
193	7-721-130-20	L-WRENCH (3.0)

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C201	1-130-208-00	FILM 2.2MF 10%
C204	1-102-114-00	CERAMIC 470PF 10% 50V
C205	1-102-114-00	CERAMIC 470PF 10% 50V
C206	1-123-288-00	ELECT 10MF 20% 16V
C207	1-130-335-00	FILM 0.022MF 5% 630V
C208	1-130-335-00	FILM 0.022MF 5% 630V
C401	1-123-624-00	ELECT 470MF 20% 120V
C402	1-123-624-00	ELECT 470MF 20% 120V
C403	1-131-520-00	TANTALUM 22MF 20% 16V
C404	1-123-624-00	ELECT 470MF 20% 120V
C405	1-123-624-00	ELECT 470MF 20% 120V
C406	1-123-624-00	ELECT 470MF 20% 120V
C407	1-131-520-00	TANTALUM 22MF 20% 16V
C408	1-123-624-00	ELECT 470MF 20% 120V
C409	1-123-624-00	ELECT 470MF 20% 120V
C410	1-123-624-00	ELECT 470MF 20% 120V
C601	1-130-342-00	FILM 0.47MF 20% 300V*** (AEP,UK)
C601	1-130-234-00	FILM 0.047MF 20% 125V*** (US)
C602	1-161-734-00	CERAMIC 0.0022MF 20% 400V*** (AEP,UK)
C603	1-161-734-00	CERAMIC 0.0022MF 20% 400V*** (AEP,UK)
C604	1-161-734-00	CERAMIC 0.0022MF 20% 400V*** (AEP,UK)
C605	1-161-734-00	CERAMIC 0.0022MF 20% 400V*** (AEP,UK)
C701	1-161-746-00	CERAMIC 1000PF 10% 125V*** (US)
C702	1-161-746-00	CERAMIC 1000PF 10% 125V*** (US)
C703	1-130-141-00	MYLAR 0.01MF 20% 630V
C704	1-161-746-00	CERAMIC 1000PF 10% 125V*** (US)
C705	1-161-736-00	CERAMIC 1000PF 10% 125V*** (US)
C706	1-125-257-00	ELECT (BLOCK) 47MF 20% 400V*** (AEP,UK)
C706	1-125-253-00	ELECT 150MF 20% 200V*** (US)
C707	1-108-595-00	MYLAR 0.047MF 5% 50V
C708	1-108-599-00	MYLAR 0.068MF 5% 50V
C709	1-130-358-00	FILM 1.2MF 10% 250V*** (AEP,UK)
C709	1-130-695-00	FILM 2.7MF 10% 100V*** (US)
C710	1-130-358-00	FILM 1.2MF 10% 250V*** (AEP,UK)
C710	1-130-695-00	FILM 2.7MF 10% 100V*** (US)
C711	1-106-383-00	MYLAR 0.047MF 5% 200V
C712	1-161-736-00	CERAMIC 470PF 20% 400V*** (AEP,UK)
C713	1-161-736-00	CERAMIC 470PF 20% 400V*** (AEP,UK)
C714	1-161-736-00	CERAMIC 470PF 20% 400V*** (AEP,UK)
C715	1-161-736-00	CERAMIC 470PF 20% 400V*** (AEP,UK)
C802	1-123-379-00	ELECT 0.47MF 20% 100V
C803	1-131-450-00	TANTALUM 1MF 20% 35V
C804	1-130-305-00	FILM 0.022MF 5% 100V
C805	1-123-623-00	ELECT 330MF 20% 120V
C807	1-123-413-	ELECT 47MF 20% 50V
C810	1-130-305-00	FILM 0.022MF 5% 100V
C811	1-123-623-00	ELECT 330MF 20% 120V
C812	1-123-230-00	ELECT 2.2MF 20% 50V
C813	1-123-230-00	ELECT 2.2MF 20% 50V
C814	1-123-230-00	ELECT 2.2MF 20% 50V

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF, PF: μμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μH

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

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- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF, PF: μμF.

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- MMH : mH, UH : μH

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Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C815	1-123-230-00	ELECT 2.2MF 20% 50V
C819	1-123-497-00	ELECT 470MF 20% 25V
C820	1-123-497-00	ELECT 470MF 20% 25V
C821	1-123-497-00	ELECT 470MF 20% 25V
C822	1-123-497-00	ELECT 470MF 20% 25V
C901	1-123-623-00	ELECT 330MF 20% 120V
C902	1-123-623-00	ELECT 330MF 20% 120V
C903	1-123-623-00	ELECT 330MF 20% 120V
C904	1-123-623-00	ELECT 330MF 20% 120V
D201	8-719-920-30	DIODE MV-203V
D202	8-719-815-55	DIODE 1S1555
D203	8-719-815-55	DIODE 1S1555
D204	8-719-815-55	DIODE 1S1555
D205	8-719-422-21	DIODE 1T22AM
D206	8-719-815-55	DIODE 1S1555
D207	8-719-815-55	DIODE 1S1555
D208	8-719-815-55	DIODE 1S1555
D209	8-719-936-25	DIODE EQA01-25R
D210	8-719-910-68	DIODE HZ6C2L
D211	8-719-910-68	DIODE HZ6C2L
D212	8-719-815-55	DIODE 1S1555
D213	8-719-815-55	DIODE 1S1555
D214	8-719-422-21	DIODE 1T22AM
D215	8-719-815-55	DIODE 1S1555
D216	8-719-910-68	DIODE HZ6C2L
D217	8-719-910-68	DIODE HZ6C2L
D218	8-719-936-25	DIODE EQA01-25R
D219	8-719-815-55	DIODE 1S1555
D220	8-719-910-68	DIODE HZ6C2L
D221	8-719-910-68	DIODE HZ6C2L
D222	8-719-910-68	DIODE HZ6C2L
D223	8-719-910-68	DIODE HZ6C2L
D224	8-719-912-00	DIODE MV-12N
D226	8-719-910-68	DIODE HZ6C2L
D227	8-719-210-15	DIODE 10YG1.5
D229	8-719-300-11	DIODE SV04S
D230	8-719-815-55	DIODE 1S1555
D231	8-719-910-29	DIODE HZ12C3L
D232	8-719-300-11	DIODE SV04S
D233	8-719-815-55	DIODE 1S1555
D234	8-719-910-29	DIODE HZ12C3L
D301	8-719-936-08	DIODE EQA01-08R
D302	8-719-815-55	DIODE 1S1555
D401	8-719-999-64	DIODE EQA01-06T2
D402	8-719-999-64	DIODE EQA01-06T2
D403	8-719-210-15	DIODE 10YG1.5
D404	8-719-210-15	DIODE 10YG1.5
D405	8-719-210-15	DIODE 10YG1.5
D406	8-719-210-15	DIODE 10YG1.5

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D407	8-719-900-93	DIODE V09C
D408	8-719-900-93	DIODE V09C
D501	8-719-815-55	DIODE 1S1555
D502	8-719-916-05	DIODE EQA01-05R
D503	8-719-815-55	DIODE 1S1555
D504	8-719-999-64	DIODE EQA01-06T2
D506	8-719-815-55	DIODE 1S1555
D507	8-719-815-55	DIODE 1S1555
D508	8-719-815-55	DIODE 1S1555
D509	8-719-815-55	DIODE 1S1555
D511	8-719-910-24	DIODE HZ12B1L
D512	8-719-910-24	DIODE HZ12B1L
D513	8-719-815-55	DIODE 1S1555
D515	8-719-931-07	DIODE EQB01-07
D601	8-719-211-02	DIODE PB102F*** (US)
D601	8-719-201-04	DIODE PB104L*** (AEP, UK)
D602	8-719-902-01	DIODE SPI201-AA
D603	8-719-305-15	DIODE GH3F*** (AEP, UK)
D603	8-719-815-55	DIODE 1S1555*** (US)
D701	8-719-815-55	DIODE 1S1555
D702	8-719-815-55	DIODE 1S1555
D801	8-719-301-32	DIODE CTU-32U
D802	8-719-301-32	DIODE CTU-32U
D803	8-719-936-18	DIODE EQA01-18R
D804	8-719-936-18	DIODE EQA01-18R
D805	8-719-936-18	DIODE EQA01-18R
D806	8-719-936-18	DIODE EQA01-18R
D807	8-719-210-15	DIODE 10YG1.5
D808	8-719-210-15	DIODE 10YG1.5
D809	8-719-301-32	DIODE CTU-32U
D810	8-719-230-24	DIODE 30DL4
D811	8-719-230-24	DIODE 30DL4
D812	8-719-230-24	DIODE 30DL4
D813	8-719-230-24	DIODE 30DL4
D814	8-719-936-26	DIODE EQA01-26R
D815	8-719-936-26	DIODE EQA01-26R
D816	8-719-910-68	DIODE HZ6C2L
D817	8-719-910-68	DIODE HZ6C2L
D818	8-719-212-65	DIODE 10YG2.6
D819	8-719-212-65	DIODE 10YG2.6
F601	1-532-325-00	FUSE, 6.3A*** (AEP, UK)
F601	1-532-550-00	FUSE, 8A*** (US)
F602	1-532-496-00	FUSE, THERMO, 10A, 109°C
H301	8-719-841-01	DIODE F1410
H302	8-719-841-01	DIODE F1410
IC301	8-759-700-58	IC NJM4558DFA
IC501	8-759-320-02	IC HA12002
J201	1-535-149-11	WIRE (30.0MM)
J204	1-535-149-11	WIRE (30.0MM)

ELECTRICAL PARTS

Ref.No.	Part No.	Description
L701	1-421-349-00	COIL, CHOKE*** (AEP, UK)
L701	1-421-395-00	COIL, LINE FILTER*** (US)
L702	1-421-370-00	COIL, CHOKE, 12UH
L703	1-421-370-00	COIL, CHOKE, 12UH
L803	1-421-370-00	COIL, CHOKE
L805	1-421-370-00	COIL, CHOKE
L809	1-407-488-31	MICRO INDUCTOR 470UH
L810	1-407-488-31	MICRO INDUCTOR 470UH
L811	1-407-488-31	MICRO INDUCTOR 470UH
L812	1-407-488-31	MICRO INDUCTOR 470UH
L901	1-421-370-00	COIL, CHOKE
L902	1-421-370-00	COIL, CHOKE
L1001	1-421-347-00	COIL, CHOLK
L1002	1-421-347-00	COIL, CHOLK
PTH1	1-800-427-00	POSISTOR
Q001	8-765-555-10	TRANSISTOR 2SK173
Q002	8-765-555-10	TRANSISTOR 2SK173
Q003	8-765-555-10	TRANSISTOR 2SK173
Q004	8-765-555-10	TRANSISTOR 2SK173
Q005	8-765-565-10	TRANSISTOR 2SJ54
Q006	8-765-565-10	TRANSISTOR 2SJ54
Q007	8-765-565-10	TRANSISTOR 2SJ54
Q008	8-765-565-10	TRANSISTOR 2SJ54
Q201	8-729-612-77	TRANSISTOR 2SA1027R
Q202	8-769-663-47	TRANSISTOR 2SC1364
Q203	8-769-663-47	TRANSISTOR 2SC1364
Q204	8-769-663-47	TRANSISTOR 2SC1364
Q205	8-729-612-77	TRANSISTOR 2SA1027R
Q206	8-729-612-77	TRANSISTOR 2SA1027R
Q207	8-729-168-22	TRANSISTOR 2SC2682
Q208	8-729-114-22	TRANSISTOR 2SA1142
Q209	8-729-366-81	TRANSISTOR 2SD668A
Q210	8-729-364-81	TRANSISTOR 2SB648A
Q211	8-729-114-22	TRANSISTOR 2SA1142
Q212	8-729-168-22	TRANSISTOR 2SC2682
Q213	8-729-168-22	TRANSISTOR 2SC2682
Q214	8-729-114-22	TRANSISTOR 2SA1142
Q215	8-729-168-22	TRANSISTOR 2SC2682
Q216	8-729-114-22	TRANSISTOR 2SA1142
Q217	8-729-168-22	TRANSISTOR 2SC2682
Q218	8-729-114-22	TRANSISTOR 2SA1142
Q301	8-729-141-43	TRANSISTOR 2SD414
Q302	8-729-154-83	TRANSISTOR 2SB548
Q303	8-729-141-43	TRANSISTOR 2SD414
Q304	8-729-154-83	TRANSISTOR 2SB548
Q401	8-729-113-82	TRANSISTOR 2SA1138
Q402	8-729-113-82	TRANSISTOR 2SA1138
Q403	8-729-167-62	TRANSISTOR 2SC2676
Q404	8-729-167-62	TRANSISTOR 2SC2676
Q405	8-729-107-53	TRANSISTOR 2SC2275A

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q406	8-729-167-62	TRANSISTOR 2SC2676
Q407	8-729-167-62	TRANSISTOR 2SC2676
Q408	8-729-113-82	TRANSISTOR 2SA1138
Q409	8-729-113-82	TRANSISTOR 2SA1138
Q410	8-729-190-53	TRANSISTOR 2SA985A
Q501	8-769-663-47	TRANSISTOR 2SC1364
Q502	8-769-663-47	TRANSISTOR 2SC1364
Q503	8-729-612-77	TRANSISTOR 2SA1027R
Q504	8-769-663-47	TRANSISTOR 2SC1364
Q505	8-769-663-47	TRANSISTOR 2SC1364
Q506	8-729-374-02	TRANSISTOR 2SB740
Q507	8-769-663-47	TRANSISTOR 2SC1364
Q508	8-769-663-47	TRANSISTOR 2SC1364
Q510	8-729-374-02	TRANSISTOR 2SB740
Q511	8-729-398-62	TRANSISTOR 2SC1986
Q512	8-729-377-12	TRANSISTOR 2SA771
Q701	8-729-612-77	TRANSISTOR 2SA1027R
Q702	8-729-663-47	TRANSISTOR 2SC1364
Q703		
Q704	X-4870-214-1	TRANSISTOR ASSY*** (AEP, UK)
Q705		
Q706		
Q703		
Q704	X-4870-213-1	TRANSISTOR ASSY*** (US)
Q705		
Q706		
Q801	8-729-377-31	TRANSISTOR 2SC2773
Q802	8-729-398-62	TRANSISTOR 2SC1986
Q803	8-729-304-62	TRANSISTOR 2SB646A
Q804	8-729-300-62	TRANSISTOR 2SD666A
Q805	8-729-113-82	TRANSISTOR 2SA1138
Q806	8-729-113-82	TRANSISTOR 2SA1138
Q807	8-729-316-91	TRANSISTOR 2SA1169
Q808	8-729-377-12	TRANSISTOR 2SA771
Q809	8-729-300-62	TRANSISTOR 2SD666A
Q810	8-729-304-62	TRANSISTOR 2SB646A
Q811	8-729-167-62	TRANSISTOR 2SC2676
Q812	8-729-167-62	TRANSISTOR 2SC2676
Q813	8-729-663-47	TRANSISTOR 2SC1364
Q814	8-729-663-47	TRANSISTOR 2SC1364
Q815	8-729-612-77	TRANSISTOR 2SA1027R
Q816	8-729-612-77	TRANSISTOR 2SA1027R
R001	1-246-518-00	CARBON 75K 5% 1/4W
R002	1-246-509-00	CARBON 33K 5% 1/4W
R201	1-214-156-00	METAL 10K 1% 1/4W
R202	1-214-929-00	METAL 470K 1% 1/2W
R203	1-214-888-00	METAL 10K 1% 1/2W

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- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μH

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R204	1-214-935-00	METAL	820K	1%	1/2W	
R205	△ 1-212-998-00	FUSIBLE	470	5%	1/2W	F
R206	△ 1-212-990-00	FUSIBLE	220	5%	1/2W	F
R207	△ 1-212-990-00	FUSIBLE	220	5%	1/2W	F
R208	1-214-866-00	METAL	1.2K	1%	1/2W	
R210	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R211	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R212	1-214-172-00	METAL	47K	1%	1/4W	
R213	1-214-156-00	METAL	10K	1%	1/4W	
R214	1-214-156-00	METAL	10K	1%	1/4W	
R215	1-214-156-00	METAL	10K	1%	1/4W	
R216	1-214-929-00	METAL	470K	1%	1/2W	
R217	△ 1-212-990-00	FUSIBLE	220	5%	1/2W	F
R218	△ 1-212-990-00	FUSIBLE	220	5%	1/2W	F
R219	△ 1-212-998-00	FUSIBLE	470	5%	1/2W	F
R220	1-214-888-00	METAL	10K	1%	1/2W	
R221	1-214-935-00	METAL	820K	1%	1/2W	
R222	1-214-866-00	METAL	1.2K	1%	1/2W	
R223	1-214-156-00	METAL	10K	1%	1/4W	
R224	1-214-859-00	METAL	620	1%	1/2W	
R225	1-214-859-00	METAL	620	1%	1/2W	
R226	1-214-872-00	METAL	2.2K	1%	1/2W	
R227	1-214-872-00	METAL	2.2K	1%	1/2W	
R228	1-217-582-00	WIREWOUND	8.2	10%	5W	
R229	1-217-582-00	WIREWOUND	8.2	10%	5W	
R230	1-214-876-00	METAL	3.3K	1%	1/2W	
R231	△ 1-212-982-00	FUSIBLE	100	5%	1/2W	F
R232	△ 1-212-982-00	FUSIBLE	100	5%	1/2W	F
R233	△ 1-212-982-00	FUSIBLE	100	5%	1/2W	F
R234	△ 1-212-982-00	FUSIBLE	100	5%	1/2W	F
R235	1-214-856-00	METAL	470	1%	1/2W	
R236	1-214-856-00	METAL	470	1%	1/2W	
R237	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R238	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R239	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R240	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R241	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R242	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R243	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R244	△ 1-212-970-00	FUSIBLE	33	5%	1/2W	F
R245	△ 1-212-966-00	FUSIBLE	22	5%	1/2W	F
R246	△ 1-212-966-00	FUSIBLE	22	5%	1/2W	F
R247	△ 1-212-966-00	FUSIBLE	22	5%	1/2W	F
R248	△ 1-212-966-00	FUSIBLE	22	5%	1/2W	F
R249	△ 1-212-966-00	FUSIBLE	22	5%	1/2W	F
R250	△ 1-212-966-00	FUSIBLE	22	5%	1/2W	F
R251	△ 1-212-966-00	FUSIBLE	22	5%	1/2W	F
R252	△ 1-212-966-00	FUSIBLE	22	5%	1/2W	F
R253	1-217-156-00	METAL PLATE	0.22	10%	5W	
R254	1-217-156-00	METAL PLATE	0.22	10%	5W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R255	1-217-156-00	METAL PLATE	0.22	10%	5W	
R256	1-217-156-00	METAL PLATE	0.22	10%	5W	
R257	1-217-156-00	METAL PLATE	0.22	10%	5W	
R258	1-217-156-00	METAL PLATE	0.22	10%	5W	
R259	1-217-156-00	METAL PLATE	0.22	10%	5W	
R260	1-217-156-00	METAL PLATE	0.22	10%	5W	
R261	1-217-156-00	METAL PLATE	0.22	10%	5W	
R262	1-217-156-00	METAL PLATE	0.22	10%	5W	
R263	1-217-156-00	METAL PLATE	0.22	10%	5W	
R264	1-217-156-00	METAL PLATE	0.22	10%	5W	
R265	1-217-156-00	METAL PLATE	0.22	10%	5W	
R266	1-217-156-00	METAL PLATE	0.22	10%	5W	
R267	1-217-156-00	METAL PLATE	0.22	10%	5W	
R268	1-217-156-00	METAL PLATE	0.22	10%	5W	
R269	1-214-876-00	METAL	3.3K	1%	1/2W	
R270	1-214-787-00	METAL	270K	1%	1/4W	
R271	1-214-787-00	METAL	270K	1%	1/4W	
R272	1-214-113-00	METAL	160	1%	1/4W	
R273	1-214-113-00	METAL	160	1%	1/4W	
R301	1-214-116-00	METAL	220	1%	1/4W	
R302	1-214-132-00	METAL	1K	1%	1/4W	
R303	1-214-120-00	METAL	330	1%	1/4W	
R304	1-214-120-00	METAL	330	1%	1/4W	
R305	1-214-108-00	METAL	100	1%	1/4W	
R306	1-214-108-00	METAL	100	1%	1/4W	
R307	1-214-174-00	METAL	56K	1%	1/4W	
R308	1-214-180-00	METAL	100K	1%	1/4W	
R309	1-214-132-00	METAL	1K	1%	1/4W	
R310	1-214-120-00	METAL	330	1%	1/4W	
R311	1-214-120-00	METAL	330	1%	1/4W	
R312	1-214-108-00	METAL	100	1%	1/4W	
R313	1-214-108-00	METAL	100	1%	1/4W	
R314	1-214-174-00	METAL	56K	1%	1/4W	
R315	1-214-180-00	METAL	100K	1%	1/4W	
R316	1-214-124-00	METAL	470	1%	1/4W	
R401	1-214-905-00	METAL	47K	1%	1/2W	
R402	1-214-878-00	METAL	3.9K	1%	1/2W	
R403	1-214-128-00	METAL	680	1%	1/4W	
R404	1-214-128-00	METAL	680	1%	1/4W	
R405	1-214-168-00	METAL	33K	1%	1/4W	
R406	1-214-096-00	METAL	33	1%	1/4W	
R407	1-214-905-00	METAL	47K	1%	1/2W	
R408	1-214-878-00	METAL	3.9K	1%	1/2W	
R409	1-214-128-00	METAL	680	1%	1/4W	
R410	1-214-128-00	METAL	680	1%	1/4W	
R411	1-214-168-00	METAL	33K	1%	1/4W	
R412	1-214-096-00	METAL	33	1%	1/4W	
R413	1-214-132-00	METAL	1K	1%	1/4W	
R414	1-214-132-00	METAL	1K	1%	1/4W	
R415	△ 1-212-948-00	FUSIBLE	3.9	5%	1/2W	F

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CAPACITORS:

- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.

MF: μF , PF: μF .

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

F : nonflammable

COILS

- MMH : mH, UH : μH

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R416	△ 1-212-948-00	FUSIBLE	3.9	5%	1/2W	F
R501	1-214-160-00	METAL	15K	1%	1/4W	
R502	1-214-154-00	METAL	8.2K	1%	1/4W	
R503	1-214-170-00	METAL	39K	1%	1/4W	
R504	1-214-180-00	METAL	100K	1%	1/4W	
R505	1-214-160-00	METAL	15K	1%	1/4W	
R506	1-214-156-00	METAL	10K	1%	1/4W	
R507	1-214-178-00	METAL	82K	1%	1/4W	
R508	1-214-178-00	METAL	82K	1%	1/4W	
R509	1-214-170-00	METAL	39K	1%	1/4W	
R510	1-214-172-00	METAL	47K	1%	1/4W	
R511	1-214-154-00	METAL	8.2K	1%	1/4W	
R512	1-214-118-00	METAL	270	1%	1/4W	
R513	1-214-118-00	METAL	270	1%	1/4W	
R514	1-214-118-00	METAL	270	1%	1/4W	
R515	1-214-118-00	METAL	270	1%	1/4W	
R516	1-214-178-00	METAL	82K	1%	1/4W	
R517	1-214-178-00	METAL	82K	1%	1/4W	
R518	1-214-108-00	METAL	100	1%	1/4W	
R519	1-214-110-00	METAL	120	1%	1/4W	
R520	1-214-156-00	METAL	10K	1%	1/4W	
R521	1-214-148-00	METAL	4.7K	1%	1/4W	
R522	1-214-156-00	METAL	10K	1%	1/4W	
R523	1-214-156-00	METAL	10K	1%	1/4W	
R526	1-214-136-00	METAL	1.5K	1%	1/4W	
R527	1-214-136-00	METAL	1.5K	1%	1/4W	
R529	1-214-156-00	METAL	10K	1%	1/4W	
R530	1-214-156-00	METAL	10K	1%	1/4W	
R531	1-214-156-00	METAL	10K	1%	1/4W	
R532	1-214-164-00	METAL	22K	1%	1/4W	
R533	1-214-172-00	METAL	47K	1%	1/4W	
R534	1-214-156-00	METAL	10K	1%	1/4W	
R535	1-214-132-00	METAL	1K	1%	1/4W	
R536	1-214-132-00	METAL	1K	1%	1/4W	
R537	1-214-172-00	METAL	47K	1%	1/4W	
R538	1-214-132-00	METAL	1K	1%	1/4W	
R541	1-214-152-00	METAL	6.8K	1%	1/4W	
R542	1-214-152-00	METAL	6.8K	1%	1/4W	
R543	1-214-156-00	METAL	10K	1%	1/4W	
R544	1-214-156-00	METAL	10K	1%	1/4W	
R545	1-214-156-00	METAL	10K	1%	1/4W	
R546	1-214-156-00	METAL	10K	1%	1/4W	
R601	△ 1-206-694-00	METAL	18K	5%	2W	F *** (AEP, UK)
R601	△ 1-206-688-00	METAL	10K	5%	2W	F *** (US)
R602	△ 1-217-609-00	WIREWOUND	15	10%	20W	*** (AEP, UK)
R602	△ 1-217-608-00	WIREWOUND	6.8	10%	20W	*** (US)
R701	△ 1-214-164-00	METAL	22K	1%	1/4W	
R702	△ 1-214-128-00	METAL	680	1%	1/4W	
R703	△ 1-214-148-00	METAL	4.7K	1%	1/4W	
R704	△ 1-214-156-00	METAL	10K	1%	1/4W	

ELECTRICAL PARTS

Ref No.	Part No.	Description				
R705	△ 1-214-784-00	METAL	200K	1%	1/4W	*** (AEP, UK)
R705	△ 1-214-913-00	METAL	100K	1%	1/2W	*** (US)
R706	△ 1-206-467-00	METAL	15	5%	2W	F *** (AEP, UK)
R706	△ 1-206-463-00	METAL	10	5%	2W	F *** (US)
R801	1-214-164-00	METAL	22K	1%	1/4W	
R803	1-214-124-00	METAL	470	1%	1/4W	
R804	1-214-124-00	METAL	470	1%	1/4W	
R806	1-214-124-00	METAL	470	1%	1/4W	
R807	1-214-164-00	METAL	22K	1%	1/4W	
R808	△ 1-247-079-00	CARBON	4.7	5%	1/4W	F
R809	1-214-100-00	METAL	47	1%	1/4W	
R810	1-214-927-00	METAL	390K	1%	1/2W	
R811	1-214-885-00	METAL	7.5K	1%	1/2W	
R812	1-214-885-00	METAL	7.5K	1%	1/2W	
R814	1-214-124-00	METAL	470	1%	1/4W	
R815	1-214-124-00	METAL	470	1%	1/4W	
R817	1-214-124-00	METAL	470	1%	1/4W	
R818	1-214-164-00	METAL	22K	1%	1/4W	
R819	△ 1-247-079-00	CARBON	4.7	5%	1/4W	F
R820	1-214-100-00	METAL	47	1%	1/4W	
R821	1-214-164-00	METAL	22K	1%	1/4W	
R822	1-214-925-00	METAL	330K	1%	1/2W	
R823	1-214-885-00	METAL	7.5K	1%	1/2W	
R824	1-214-885-00	METAL	7.5K	1%	1/2W	
RT101	1-226-149-11	RES, ADJ, METAL FILM	100			
RT201	1-228-101-00	RES, ADJ, METAL FILM	10K			
RT301	1-224-490-00	RES, ADJ, METAL FILM	4.7K			
RT302	1-224-660-00	RES, ADJ, METAL FILM	1K			
RT801	1-226-828-00	RES, ADJ, METAL FILM	1K			
RT802	1-226-828-00	RES, ADJ, METAL FILM	1K			
RY201	1-515-356-00	RELAY				
RY601	△ 1-515-367-00	RELAY				
T701	△ 1-543-100-00	CORE				

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ELECTROLYTIC CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one.					
	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47					→	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→	→	→	1-121-392-00	→	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	→	→	1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	→	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-415-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	—	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	—
3300	1-121-661-00	1-123-075-00	1-123-071-00	—	—	—

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	—	—	—	—
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	—	1-123-028-00
3.3	1-121-995-00	—	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	—	—
47	1-123-251-00	1-121-919-00	—	—
100	1-123-084-00	—	—	—

CERAMIC CAPACITORS

RATING							
CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	PART No.		PART No.		PART No.		PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

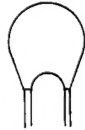
0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

RATING → : Use the high voltage rated one.					
CAP. (μF)	25 VOLT.	50 VOLT.	CAP. (μF)	25 VOLT.	50 VOLT.
	PART No.	PART No.		PART No.	PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

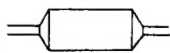
MYLAR CAPACITORS

RATING											
CAP. (μF)	50 VOLT.			CAP. (μF)	100 VOLT.			CAP. (μF)	200 VOLT.		
	PART No.	PART No.	PART No.		PART No.	PART No.	PART No.		PART No.	PART No.	PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	—	—
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	—	—
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	—	—
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	—	—
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				



TANTALUM CAPACITORS

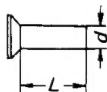
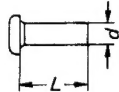
RATING → : Use the high voltage rated one.							
CAP. (μF)	3.15 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	25 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.01					→	→	1-131-396-00
0.015						→	1-131-397-00
0.022						→	1-131-398-00
0.033						→	1-131-399-00
0.047						→	1-131-400-00
0.068					→	→	1-131-401-00
0.1					→	→	1-131-402-00
0.15					→	→	1-131-403-00
0.22					→	→	1-131-404-00
0.33					→	1-131-409-00	1-131-405-00
0.47	—	—	—	—	1-131-412-00	→	1-131-406-00
0.68	—	—	—	1-131-415-00	→	1-131-410-00	1-131-407-00
1.0	—	—	1-131-418-00	—	1-131-413-00	→	1-131-408-00
1.5	—	1-131-421-00	—	1-131-416-00	→	1-131-411-00	1-131-348-00
2.2	1-131-424-00	—	1-131-419-00	—	1-131-414-00	1-131-355-00	1-131-349-00
3.3	—	1-131-422-00	—	1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00	—	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8	—	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	—
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00		
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00			
47	1-131-393-00	1-131-387-00	1-131-381-00	—			
68	1-131-394-00	1-131-388-00	—	—			
100	1-131-395-00	—	—	—			



TANTALUM CAPACITORS

RATING						
CAP. (μF)	3 VOLT.		6.3 VOLT.		20 VOLT.	
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.033						1-131-273-00
0.047						1-131-274-00
0.068						1-131-275-00
0.1						1-131-276-00
0.15						1-131-277-00
0.22				—	1-131-262-00	1-131-278-00
0.33				—	1-131-263-00	1-131-279-00
0.47			1-131-169-00	—	1-131-264-00	1-131-280-00
0.68			—	1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00	—	1-131-266-00	1-131-282-00
1.5		1-131-250-00	—	—	1-131-267-00	1-131-283-00
2.2		—	—	1-131-259-00	1-131-268-00	1-131-284-00
3.3		—	1-131-255-00	—	1-131-269-00	—
4.7		1-131-251-00	1-131-171-00	—	1-131-270-00	—
6.8		—	—	1-131-260-00	1-131-271-00	—
10	—	—	1-131-256-00	—	1-131-272-00	—
15	—	1-131-252-00	—	1-131-261-00		
22	—	—	1-131-257-00	—		
33	1-131-176-00	1-131-253-00	1-131-173-00	—		
47	1-131-288-00	1-131-174-00	—	—		
100	1-131-177-00					

DIMENSIONS AND PART NO. OF PRECISION SCREWS

<div>⊕ K (Flat-countersunk-head screw)</div> <div></div>				<div>⊕ P (Pan-head screw)</div> <div></div>				
Type	Size (mm) (d × L)	Part No.		Type	Size (mm) (d × L)	Part No.		
		Black	Silver			Black	Silver	
Type 1	K1.4 × 1.6	7-627-451-08	7-627-451-07	Type 1	P1.4 × 1.4		7-627-551-47	
	K1.4 × 1.8				P1.4 × 1.6	7-627-551-08	7-627-551-07	
	K1.4 × 2	7-627-451-38	7-627-451-37		P1.4 × 1.8			
	K1.4 × 2.2				P1.4 × 2	7-627-551-18	7-627-551-17	
	K1.4 × 2.5	7-627-451-18	7-627-451-17		P1.4 × 2.2			
	K1.4 × 2.8				P1.4 × 2.5	7-627-551-28	7-627-551-27	
	K1.4 × 3	7-627-451-28	7-627-451-27		P1.4 × 2.8	7-627-551-88		
	K1.4 × 3.5		7-627-451-47		P1.4 × 3	7-627-551-58	7-627-551-57	
	K1.4 × 4				P1.4 × 3.5	7-627-551-68	7-627-551-67	
	K1.4 × 4.5				P1.4 × 4	7-627-551-78	7-627-551-77	
	K1.4 × 5	7-627-451-78	7-627-451-77		P1.4 × 4.5			
	K1.7 × 1.8	7-627-450-78			P1.4 × 5	7-627-551-38	7-627-551-37	
	K1.7 × 2				P1.7 × 1.6	7-627-552-18		
	K1.7 × 2.2				P1.7 × 1.8			
	K1.7 × 2.5				P1.7 × 2	7-627-552-28	7-627-552-27	
	K1.7 × 2.8				P1.7 × 2.2	7-627-552-08	7-627-552-07	
	K1.7 × 3				P1.7 × 2.5			
	K1.7 × 3.5				P1.7 × 2.8			
	K1.7 × 4				P1.7 × 3	7-627-552-38	7-627-552-37	
	K1.7 × 4.5				P1.7 × 3.5	7-627-552-78		
	K1.7 × 5				P1.7 × 4	7-627-552-48	7-627-552-47	
	K1.7 × 5.5				P1.7 × 4.5		7-627-552-67	
	K1.7 × 6				P1.7 × 5	7-627-552-58	7-627-552-57	
	K2 × 2	7-627-452-08	7-627-452-07		P1.7 × 5.5			
	K2 × 2.2				P1.7 × 6			
	K2 × 2.5				Type 3	P2 × 1.8		
	K2 × 2.8	7-627-452-18	7-627-452-17			P2 × 2	7-627-553-18	7-627-553-17
	K2 × 3					P2 × 2.2		7-627-554-07
	K2 × 3.5					P2 × 2.5	7-627-553-28	7-627-553-27
	K2 × 4	7-627-452-28				P2 × 2.8		
	K2 × 4.5					P2 × 3	7-627-553-38	7-627-553-37
	K2 × 5	7-627-452-38				P2 × 3.5		7-627-554-17
K2 × 5.5			P2 × 4	7-627-553-48		7-627-553-47		
K2 × 6			P2 × 4.5	7-627-553-58		7-627-553-57		
K2 × 7			P2 × 5			7-627-553-67		
K2 × 8			P2 × 5.5					
			P2 × 6					
			P2 × 7	7-627-553-88		7-627-553-87		
			P2 × 8	7-627-553-98		7-627-553-97		
			P2 × 10	7-627-553-78		7-627-553-77		
			P1.4 × 1.4			7-627-850-37		
			P1.4 × 1.6			7-627-850-47		
			P1.4 × 1.8			7-627-850-77		
			P1.4 × 2	7-627-850-08		7-627-850-07		
			P1.4 × 2.2					
			P1.4 × 2.5	7-627-850-18		7-627-850-17		
			P1.4 × 2.8					
			P1.4 × 3	7-627-850-28		7-627-850-27		
			P1.4 × 3.5	7-627-850-58		7-627-850-57		
			P1.4 × 4	7-627-850-68		7-627-850-67		
			P1.4 × 4.5			7-627-851-17		
			P1.4 × 5			7-627-851-27		



SONY[®] SERVICE MANUAL



US Model
Canadian Model
AEP Model
UK Model


CORRECTION-1

File this correction with the service manual.

 : Corrected portions.

Page	Incorrect				Correct			
	No.	Part No.	Description		Part No.	Description		
36	Q202	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q203	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q204	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q501	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q502	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q504	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q505	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q507	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q508	8-769-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q702	 8-729-663-47	TRANSISTOR	2SC1364	 8-729-600-27	TRANSISTOR	2SC634SP	
	Q813	8-729-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	
	Q814	8-729-663-47	TRANSISTOR	2SC1364	8-729-600-27	TRANSISTOR	2SC634SP	

Note:
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.